

Fisheries Management Plan for

PAKIN

Sokehs Municipality, Pohnpei,
Federated States of Micronesia

May 2010

Compiled by Etuati Ropeti, Eugene Joseph and Donald David



Koasondi ohng epwelpen paliesed en

KOUSAPW PAKIN

Weihn Sokehs, Pohnpei,
Kahn deke Kapatapat akan en micronesia

Souhnpwong en Mahs 2009

Kaunopda sang Etuati Ropeti, Eugene Joseph, Donald David Ahd kamwot en palih kan

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Original text: English

Secretariat of the Pacific Community Cataloguing-in-publication data

Ropeti, Magele Etuati

Fisheries management plan for Pakin: Sokehs municipality, Pohnpei, Federated States of Micronesia, May 2010 = Koasondi ohng epwelpen paliesed en Kousapw Pakin: Weihns Sokehs, Pohnpei, Kahn Deke Kapatapat akan en Micronesia, Souhnpwong en Mahs 2010 / compiled by Etuati Ropeti, Eugene Joseph and Donald David = kaunopda sang Etuati Ropeti, Eugene Joseph, Donald David.

1. Fishery management — Pohnpei (Micronesia).
2. Fishery resources — Pohnpei (Micronesia).

I. Ropeti, Magele Etuati II. Joseph, Eugene III. David, Donald IV. Title
V. Secretariat of the Pacific Community.

639.709966

AACR2

ISBN: 978-982-00-0433-7

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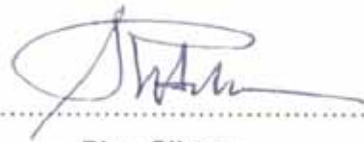
Approval and endorsement

This plan provides a general guide to the management of fisheries resources for the island of Pakin, and aims to achieve long-term rather than immediate, short-term benefits. The success of the management programme depends largely on the Project Team's implementation of new initiatives, and its introduction of development programmes to assist the community in supporting management actions.

As members of the Project Team, representatives of various state authorities and the Pakin community, hereby approve and endorse our commitment to this plan.



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Nahnapas Sokehs



Pius Sihten
Sounihrek Pakin



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Chief Magistrate SMG



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Director DLNR



Donald David
Administrator OFA



Patterson Shed
Executive Director CSP



Albert Roby
Executive Director EPA



Johnathan Zarred
Chairman PFMC

Abbreviations

AG	Attorney General
CDA	Coconut Development Authority
CEAFM	Community-based Ecosystem Approach to Fisheries Management
CFMS	Coastal Fisheries Management Section (SPC)
CSP	Conservation Society of Pohnpei
DLNR	Department of Land and Natural Resources
EPA	Environmental Protection Agency
FAD	fish aggregating device
MCT	Micronesia Conservation Trust
MCU	Marine Conservation Unit
MPA	Marine Protected Area
NGO	non-governmental organization
OFA	Office of Fisheries and Aquaculture
PCA	Pakin Community Association
PFMC	Pakin Fisheries Management Committee
RF	Revolving funding
SMG	Sokeh's Municipality Government
SPC	Secretariat of the Pacific Community

This plan was prepared by the Pakin community and the Project Team, with technical assistance from SPC's Coastal Fisheries Programme and the funds from the Australian agency for international development (AusAid) Australian Embassy, Pohnpei, FSM.

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1 Introduction

Pohnpei is one of the four states that form the Federated States of Micronesia (the other three are Yap, Chuuk and Kosrae). It is located in the tropical Northern Pacific, in the middle of the Eastern Caroline Islands between Honolulu and Manila. The state comprises Pohnpei (main island) and eight smaller atolls scattered outside the barrier reef. The state has a land area of approximately 345 square kilometres.

Pohnpei is a biologically diverse state in Micronesia and, as such, part of one of the areas designated as a biodiversity hotspot. Its history is dominated by diverse ecosystems, including stream, rock, place, plant and animal, sea and even the shape of the landscape itself. Nothing can be taken for granted: every element has its own story, but because the local people have for so long been closely related to their surroundings, their close relationship with the sea and land on which they live forms part of their identity. Times have changed, and myths and legends are no longer passed down as they used to be. People still seem to be aware of a close relationship with their land, but many have forgotten the underlying reasons for this relationship. Alongside the loss of traditional knowledge, attitudes towards the environment have also changed. The forest is no longer seen as the sacred territory it once was, the ocean is being over harvested, and garbage is desecrating land and sea. Returning to an earlier culture is impossible and unlikely, but it is worth trying to safeguard, in a modern and up-to-date way, those elements of the culture that for so long have ensured the protection of the island's precious and unique resources.

A growing population of 40,000 or more and the shift from a subsistence life-style to a cash economy, compounded by pressures for speedy development, are promoting uncontrolled harvesting of fish and wildlife, and agricultural projects that are damaging the environment. For the past several years, the national, state and local governments, along with local communities and private partners, have established several landmark environmental protection and conservation initiatives for the state. These include, among others, local conservation projects and activities such as the pioneering Integrated Watershed Management Project, the local Marine Protected Areas Network, and environmental education programmes.

In a further effort to address fisheries management, the Office of Fisheries and Aquaculture (OFA), the Conservation Society of Pohnpei (CSP) and relevant state partners, with technical assistance from the Secretariat of the Pacific Community (SPC), have introduced the Community-based Ecosystem Approach to Fisheries Management Programme. This programme gives local communities, as the resource users, sole responsibility for the management of their resources, thus enabling them to be included in decision-making. Management actions are identified by the communities themselves, with the government playing an advisory role in proposed management initiatives. The ecosystem approach emphasizes the involvement of all sectors of the community, especially women and youth. In this way, traditional cultural values, government institutions, non-governmental organizations (NGOs) and traditional knowledge are all incorporated when establishing management guidelines.

This document sets out suggested management undertakings for the atoll of Pakin in the Sokehs Municipality, Pohnpei State. The plan was developed during a series of meetings and consultations as discussed in the various sections of the document. The aim is to provide a framework for the sustainable utilization and management of the marine ecosystem of Pakin.

2 The Project Site

Pakin is an atoll situated approximately 45 kilometres southwest of Pohnpei. The atoll consists of 17 small islands and islets with a barrier reef surrounding the group. The atoll has a total land area of about 1.09 square kilometres. Five of the islets are inhabited. The island of Nikahlep, which has a church and an elementary school, is the main centre for the atoll, where most community meetings take place.

The atoll of Pakin has a vast lagoon estimated at 14.35 square kilometres with the deepest part at around 100 metres. The lagoon and surrounding coastal areas provide sustenance for the community and are considered one of the richest marine ecosystems in Pohnpei State.

Pakin has an estimated population of 120 residents. About 60 people live permanently on the main island of Pohnpei. Of the 120 residents, 47% are adults (18 years and over) and 53% are children and youth. These people live in a close-knit society where sharing and caring is commonly practised. Pakin has a chiefly system whereby the title is either passed down through a family, or gained as a result of election by the community.

The main sources of income for Pakin are derived from fish, copra and sometimes from selling pigs to the residents of Pohnpei. A species of citrus lime, unique to the island, is considered the best in Pohnpei, and is sometimes sold on the main island.

The Pakin Elementary School provides education for all children. It is administered by the Pohnpei State and has a roll of 32 students, with four teachers including the principal. Students graduating from the school continue their High School education on the main island.

The atoll community is a recipient of a pearl trial project funded and run by the College of Micronesia Cooperative Research and Extension. Members of the project work with island communities as one aspect of integrated economic development. The aim is to work on pilot farms that will eventually be transferred to the communities as income-generation projects. The trials provide a platform for community participation and 'hands on' training in farming and grow-out operations.



Figure 1. Floats for pearl oyster trial farm

3 Traditional Fishing and Controls

According to some of the older residents, Pakin's traditional fishing practices declined dramatically in the late 1960s. The introduction of 'ice boxes' coupled with new and highly efficient fishing techniques changed the way people fished, and changed attitudes toward the marine environment. Traditional fishing practices have disappeared with the uncontrolled harvest of some species of cultural importance to Pakin society.

The main fishing techniques in the past, included the use of specialized spears, hooks and lines made from plant materials and prepared according to tradition.

Community chiefs blessed equipment, and different spears were used for particular species and for specific occasions. For example, the parrotfish is traditionally highly priced and culturally valued, and catching this species at night was forbidden. The pumphead parrotfish locally known as tiakami was harvested by fishers making special sounds until the fish sheltered in the reef, and were caught by special wooden spears prepared according to tradition.

The use of stone-wall traps along the coastal zone was one significant method of harvesting in Pakin. Schools of fish were driven through an entrance, then trapped at the wider end of the trap. The fish were kept in the trap for days and harvested for consumption daily, or as needed.



Figure 2. Remains of a stone trap on the main island of Nikahlep

Traps made of hard wood were also commonly used in the lagoon area. These traps could be baited and left in the water for a few days. Fishers selectively harvested certain fish for consumption while the trap was in the water.



Figure 3. Wooden traps commonly used in the past. Right: entrance, Left: the body made of wood and strings from plant materials.

Harvesting some species is forbidden unless permission is granted by the community chiefs. The turtle nesting grounds are out of bounds, for example, unless the chiefs declare harvest.

Harvesting most if not all fish species has been mainly community driven, or occurs when the chiefs declare seasons for certain events. The catch has also been distributed according to traditional systems, which included presenting the first fish caught and the best fish in the catch to the chiefs as a gesture of respect, and to be blessed for the next fishing activity.

4 Status of the fishery

In the State of Pohnpei, like many other island states, communities are highly dependent on a wide range of fish and shellfish obtained from easily accessible coastal areas. These areas have traditionally been exploited purely for subsistence. As populations have increased, however, and with the shift from a primarily subsistence to a cash-based economy, coastal fisheries resources and coral reef ecosystems are being subjected to enormous pressure from their users.

A Rapid Ecological Assessment and market surveys recently conducted by CSP and OFA have revealed that coastal fisheries resources around the State of Pohnpei are declining in number and size.

Anecdotal reports reveal a decline in most of the important fish and shellfish species on Pakin, including clams, sea cucumbers, parrotfish, octopuses and turtles.

5 Existing fisheries legislation

The Federated States of Micronesia Constitution states that each of its four state governments has jurisdiction over its coastal waters. The Pohnpei State Fisheries Protection Act of 1995 declares the jurisdiction of the Pohnpei Government over its state waters and recognizes the need to protect and preserve the marine resources therein for the people of the state. The Act further limits the use of Pohnpei State's resources to the people of Pohnpei. Section 5 reaffirms the state's powers within state waters, meaning that the state government has sovereign rights to explore, exploit, conserve and manage fisheries resources within territorial waters.

Other legislation that provides for coastal fisheries management and conservation includes the:

- Conservation and Resource Enforcement Act 1982 (26 PC 1–101 et seq.);
- Endangered Species Act 1975 (26 PC 2–101 et seq.);
- Soil and Water Conservation Act 1992 (26 PC 3–101 et seq.);
- Pohnpei Watershed Forest Reserve and Mangrove Protection Act 1987 (26 PC 3–101 et seq.);
- Marine Sanctuary and Wildlife Refuge Act 1999 (26 PC 4–101 et seq.);
- Marine Resources Conservation Act 1981 (26 PC 5–101 et seq.).

Managing the Federated States of Micronesia exclusive economic zone is a responsibility of the national government.

6 The Lirorohki Pohnpei Sarawi Model

The Lirorohki Pohnpei Sarawi Process was used to develop the Pakin Fisheries Management Plan. The process is discussed below:

Step 1: Expression of interest from the community

Interested community members can approach their respective Municipal Government to send a letter of interest to the Department of Land and Natural Resources (DLNR) to establish a Community-based Ecosystem Approach to Fisheries Management. The community may also approach the Project Team directly and the latter will consult the Municipal Government to gain its support. The Project Team comprises representatives of the Office of Economic Affairs, the Department of Land and Natural Resources (DLNR), the Environmental Protection Agency (EPA) and non-governmental organizations (NGOs).

Step 2: Initial consultation with community traditional leaders

Once the request is formalized, the Project Team meets the community traditional leaders to get their blessing and support of the project. The Project Team explains the programme, who will be involved, and the community requirements. This meeting helps community leaders to understand the programme and its long-term benefits for the people. During the meeting, the Project Team will explain more about how the programme would proceed if the village leaders agreed to it .

Step 3: Establishing the Project Task Force and roles

The Project Team needs to appoint Task Force representatives of the:

- Office of Economic Affairs
- Department of Land and Natural Resources
- Environmental Protection Agency
- Municipal Government
- Conservation Society of Pohnpei
- Community

This group must prepare a plan of activities and ensure that things run smoothly.

Step 4: Community consultations and workshops

Consultations and workshops will be organized for different groups in the community including men, women and youths to analyze the marine environment. At this point, community members are asked to identify the problems in their own fisheries resources, and examine the causes and effects to determine how to resolve these. Members from other communities are also invited to attend.

Step 5: Establishing the Community Committee and its roles

The community and the Project Team will establish a Community Committee made up of representatives from different groups such as youth, women, church, community NGOs (if any), Municipal Government and traditional leaders. The committee will discuss outcomes from the community workshops and help to draft the community fisheries management plan. The Project Team will assist with technical support, drawing on results from the community workshops.

Step 6: Drafting the community fisheries management plan

The Community Task Force Committee, assisted by the Project Team, will draft the first community management plan, based on community workshop results, and circulate it in the community for comment and approval. The plan will include all the Project Team and community undertakings, identified in the community workshops. If the community does not approve the draft plan, the Community Committee will review it and make the changes necessary for its approval. Once the community approves the plan, it will be finalized for endorsement by community leaders and the Project Team.

Step 7: Endorsement of the community management plan

To gain recognition and legal support at all levels, the community fisheries management plan should be endorsed by the:

- Director of the Department of Land and Natural Resources
- Municipal Government Leader
- community leader(s)
- members of the Project Team.

Step 8: Monitoring and review

The community fisheries management plan should be reviewed bi-annually. The Project Team should develop a review process to monitor community activities stipulated in the plan. This process should also enable the community to review the activities of the Project Team. The Team should produce Review Reports to distribute in the community.



7 Developing the Pakin Fisheries management plan

7.1 Expression of Interest

The Pakin Community requested help from the OFA and CSP to manage its fisheries resources. Initial work, including baseline surveys and discussions with various community members, was completed by CSP and OFA assisted by SPC's Coastal Fisheries Management Programme. The Sokehs Municipality office was made aware of the request and groundwork for the project began. A Project Team was established for the work on Pakin.

7.2 The Project Team

These individuals from various organizations and state departments form the Project Team:

Donald David	Administrator (Office of Fisheries and Aquaculture)
Patterson Shed	Director (Conservation Society of Pohnpei)
Eugene Joseph	CSP
Clay Hedson	OFA
Dave Mathias	Marine Conservation Unit (DLNR)
Mariano Martin	Sokehs Municipality
Charles Lohn	EPA
Marvin Ludrick	CSP
Orden Ohry	Marine Conservation Unit
Pelson Moses	OFA
Etupati Ropeti	SPC

7.3 Community consultations

Community consultation took the form of workshops and interviews at the Elementary School in Pakin from March 10–14, 2009. Project Team members facilitated the workshops to identify the key problems and how they affect the community, the causes and possible solutions, the actions to be taken, and who will be responsible for these actions.



Figure 5. Participants sharing ideas during the community consultations/workshops

7.4 The Pakin Fisheries Management Committee

At the end of the consultations, a Fisheries Management Committee was established. Members were selected by the community to liaise with the Project Team on behalf of the whole community to implement the plan and coordinate the community initiatives stipulated. Members selected were representatives from various community sectors.

They are:



Theodore Mark	(Fishers)
Larry Maipi	(Youth President)
Johnathan Zarred	(Education)
Anastasia Maipi	(Women's Association)
Kasiano Artui	(Nahnapas Sokehs – Traditional Chiefs)
Roman Linge	(Mwomwodiso)

Figure 6. The Pakin Fisheries Management Committee with some members of the Project Team

7.5 Scope of plan

This plan is to be cited as the Pakin Atoll Coastal Fisheries Management Plan. It sets out appropriate management measures for the sustainable exploitation and conservation of coastal fisheries resources in Pakin. The plan also sets out ongoing work for the development and management of fisheries resources, and recognizes relevant legislation in the State of Pohnpei. The plan also represents state development and management policies.

7.6 Objectives of plan

By managing Pakin's fisheries resources, the plan aims to:

- strengthen community leadership of fisheries management, and help to sustain associated ecosystems through effective community participation;
- recognize traditional and cultural values in managing coastal fisheries resources, and their contribution to food security and community well being;
- generate opportunities for community through the participation of development partners;
- Ensure sustainable utilization of coastal fisheries resources now, and for future generations.

7.7 The community vision

'A Pakin community that is self dependent on its natural resources through proper management and alternative sources for now and future generations.'

8 Management undertakings

The undertakings highlighted in this plan are the actions required to minimize or resolve the problems identified by the community during community consultations. Proceeding with these initiatives requires the community to take the leading role while members of the Project Team address the relevant issues in their respective department or organization. Some initiatives require the combined effort of the Project Team, and some involve decision-making at the highest level of the state government. The Project Team provides technical assistance and support for community activities.

At the community consultations, two key issues/problems were identified:

- marine pollution
- overfishing of fisheries resources.

8.1 Marine pollution

Consultations revealed that a lot of rubbish from various sources has ended up on the shores of Pakin. Negligent dumping of waste, and oil spillage by ships/boats/fishing vessels, has caused major reef damage. Human activities and natural disasters lead to major disturbances on the reef and the lagoon. Trash from the main island of Pohnpei has always washed up on the atoll. Pollution of all forms has significantly affected marine life in the lagoon and reef areas, leading to the destruction of breeding habitats for some lagoon-dwelling species, and creating an eye-sore for the Pakin community. Certain initiatives are needed:

8.1.1 Awareness programmes

The community suggested a need for awareness campaigns on the atoll and the main island. Such campaigns should also target tourists, visiting vessels, fishing boats and fishers. Community outreach programmes and community visits should be part of state programmes.

Pakin community

- The community needs to work closely with the Project Team on awareness programmes on the atoll.
- The school principal and church leaders should play an active role in awareness campaigns.

Project Team

- The Team should develop awareness campaign materials such as posters and signs, and organize community outreach programmes.

8.1.2 Lack of enforcement of current laws

Although Pohnpei State already has laws on pollution of the marine environment, the community was aware of a lack of enforcement, and local people had observed fishing boats and visiting vessels dumping trash in the sea. Stringent measures should be in place for the public on the main island, as most of the trash is washed up on the shores of the atoll.

The Pakin community

- should monitor and report any vessel dumping rubbish at sea.

The Project Team

- should work closely with the Enforcement Unit to strengthen the enforcement of current laws;
- should conduct public awareness programmes on existing laws;
- should work with the national government to enforce international laws on marine pollution.

8.1.3 Lack of proper waste management system for the atoll

As on many atolls, Pakin depends solely on its underground wells for its water supply. Each household has a dug-out well that provides a daily water supply, with drinking water coming mainly from tanks. Waste disposal becomes a problem as it can affect the water quality and may lead to contamination of the underground source.

The Pakin community should

- carry out a 'clean up' campaign on the island;
- establish designated areas for dumping household trash;
- maintain cleanliness on the island.

The Project Team should

- develop a proper waste management system for the atoll;
- develop a waste management plan for disposal;
- seek support from responsible authority for waste disposal on the island;
- provide technical advice on waste disposal.

8.1.4 Effects of climate change

Climate change is a world-wide phenomenon allegedly affecting small islands. Climate change was highlighted during the meetings as one factor having a significant impact on coastal fisheries systems. The community requested more information on the effects of climate change on the marine environment and on coastal resources.

The Pakin community should:

- participate in community workshops on climate change;
- monitor changes on the reef and report to the project team.

The Project Team should:

- provide information on the effects of climate change;
- work closely with the community to analyze reports on changes noted on the marine ecosystem, and introduce programmes to build community resilience to the effects of climate change.

8.2 Overfishing of resources

The main concern raised during the consultations was the decline in most of the fish and shellfish in the lagoon and reef areas surrounding the atoll. The Pakin community has limited land for agricultural development, and depends solely on the marine environment for sustenance and, in general, as the only source of income. According to some of those interviewed, the resources have declined with some species hardly seen or caught. Some of these species include octopus, turtles and clams.

The increasing demand for cash means more pressure on these resources. The availability of ice boxes and transport to the main island has resulted in more fishing. To reduce the pressure on fishing, and to establish proper management of the resources, the community suggested the following undertaking.

8.2.1 Control outside fishers in the waters of Pakin

Due to the open-access or 'free for all' nature of fishing in the Pohnpei State, fishers have the freedom to harvest resources from anywhere regardless of their location. In simple terms, the resources are for everyone and no one is responsible for their management. The Pakin community revealed that most fishers who harvest their reef and lagoon waters indiscriminately are from the main island of Pohnpei, and are mainly artisan fishers. The community also claimed that most of the more efficient techniques are those used by fishers from the main island.

The Pakin community should:

- work closely with the Project Team to develop a by-law to ban outside fishers in the lagoon and reef areas of Pakin;
- request the State Government through the Sokehs Municipality to put proper mechanisms in place to control outside fishers in the waters of Pakin;
- enforce and monitor fishing activities in the fishery waters of the atoll.

The Project Team should

- work with the Attorney General's (AG) Office to develop relevant legislation and local regulations for fishing activities in the waters of Pakin;
- provide technical support to the state and municipal governments on community rules for fishing activities in the waters of Pakin;
- provide advice on controls such as seasonal harvest and declaration of closed seasons for some species;
- develop size limits for various species.

8.2.2 Establish a Marine Protected Area

To aid the recovery of most species, the Pakin community felt that one way to speed up the production of fish stocks in the lagoon and reef area is to establish a marine protected area (MPA) where fishing of any kind is prohibited, to protect spawning grounds and areas known to have significant effects on the fishery.

The Pakin community should:

- work with the project team to select the site and declare the MPA;
- enforce and monitor illegal fishing in the MPA;
- set up awareness programmes for community members.

The Project team should:

- provide technical support and advice for the recommended MPA site;
- work closely with the community on awareness campaigns;
- develop legislation for the MPA;
- carry out monitoring and assessment surveys in the MPA and report results to the Pakin Fisheries Management Committee (PFMC).

8.2.3 Ban destructive fishing techniques

More efficient harvesting techniques such as nets with smaller mesh sizes, spear fishing at night and digging while foraging for shell fish and sea cucumbers have caused major damage to the marine environment. Some of the destruction caused by these practices may take many years to recover.

The Pakin community should:

- enforce legislation pertaining to destructive fishing methods;
- develop community rules to ban the use of destructive techniques in Pakin waters.

The Project Team should:

- develop legislation banning the use of destructive fishing techniques;
- develop awareness materials on destructive fishing methods;
- conduct awareness programmes.

8.2.4 Develop offshore fishing opportunities

In order to sustain food security and reduce fishing pressure on the coastal fisheries, the Pakin community requested the assistance of the Project Team and especially from OFA to develop offshore fishing opportunities. The community proposed deploying fish aggregating devices (FADs) commonly known locally as 'bayaos' where they are easily accessed by local fishers, and providing training on the maintenance of FADs and fishing methods for Pakin's fishers.

The Pakin community should:

- work closely with OFA to develop offshore fishing opportunities;
- assist OFA in sourcing outside assistance with the offshore fishing projects;
- identify able fishers to be part of the project;
- assist OFA with the deployment of FADs.

The Project Team should:

- source funds for offshore fishing projects;
- liaise with relevant organizations to obtain assistance for offshore fishing projects;
- conduct relevant training programmes and deploy FADs.

8.2.5 Develop income generating activities

In order to sustain food security and reduce fishing pressure on the fisheries, the Pakin community requested the assistance of the Project Team to develop alternative sources of income for the community. Some possible initiatives are:

8.2.5.1 Revitalize copra production

The Project Team should work with responsible state and national authorities to revitalize the copra industry. Because Pakin is close to the main island it has the potential to be a steady supply for the market. According to members of the community, copra had been a steady income source but supply halted because of some difficulties in the market and poor weather conditions, which made transporting dried products difficult.

The Pakin community is currently working with the Coconut Development Authority (CDA), a government operated agency, to develop approaches to improve copra management.

Transport was shown to be the most challenging factor and the community suggested advising the Sokehs Municipality Government to liaise with relevant authorities to improve transport to and from the island. There is also a need to build storage facilities on the island.

8.2.5.2 Increase and improved pearl farm production

Although the pearl farm project is run on a trial basis, the community felt that the project should be transparent in its operations and financial outputs. Some products have been marketed during the last three years, with very little information revealed on project income.

The Pakin community has been partnering with the College of Micronesia Land Grant in building local capacity in pearl farm management. Several community members have gone through skills-training programmes and are now capable of grafting half-pearls, basic seeding techniques and general farm management. Currently, the College of Micronesia Land Grant and partnering agencies are in the process of transferring full management of the pearl farm to Pakin Community.

Apparently, the project depends largely on the expertise of a Japanese grafter which involves high costs that the community will be unable to pay if the project is transferred to the Pakin Council. OFA and the College of Micronesia should consider proper training for young people who are involved with the project operations and seek assistance from regional partners on pearl productions and marketing. Experiences in other Pacific Islands in handicraft production utilizing oyster shells, should be sourced as a side project for women's groups.

8.2.5.3 Develop small-scale pig farming

Pig farming has great potential for development on the island if improved methods and proper practices are introduced. Opportunities for income-generating activities are few, and developing pig farming could reduce pressure on fishing and coastal resources.

The current practice of families and friends on Pakin selling pigs to families and friends on Pohnpei could be expanded, to supply hotels, restaurants and the general urban population on the main island. The Project Team should investigate how this initiative could be progressed and work with relevant organizations to advise on activities for the island community.

8.2.5.4 Develop backyard agriculture

The Project Team should source assistance from the Agriculture Department and relevant partners to develop backyard agriculture especially root crops and vegetables. This will sustain the subsistence needs of the island community and the need for food security.

8.2.5.5 Capacity building at the community level

The Project Team should work closely with the island community and the Municipality office to provide relevant capacity building programmes for the community. These include youth programmes, women's development and income generating initiatives, resource management and healthy lifestyle programmes.

The Pakin community is currently working with the Conservation Society of Pohnpei (CSP) and Pohnpei State partner agencies to enrol Pakin into the existing Pohnpei Locally Managed Marine Areas Network. The network provides capacity building in resource management to community groups. Training includes: community-based fish and coral monitoring techniques, basic coral reef ecology, conservation rules and regulations, and enforcement and surveillance protocols. In addition, the Pohnpei network conducts annual MPA cross-site visits where selected community members from each of the MPAs gather to exchange lessons learned on community-based resource management.

9 Financing the plan

The Project Team should work closely with the Pakin community to identify possible donor agencies, and develop funding proposals to source funds to begin the activities set out in this plan. The Project Team should also work with the state and national government to include some of the activities in their annual budget. Assistance from regional partners and international organizations should be requested for technical support.

10 Management plan review

The plan should be reviewed six-monthly during the first two years after approval and annually thereafter. The review should focus on the community commitment to implemented activities, and the performance of the Project Team.

11 Conclusion

The management undertakings documented in the plan will undoubtedly assist the Pakin community to achieve its aspirations for sustainable management of its marine environment for now and future generations. With technical assistance from the Project Team and its partners, the Pakin community should successfully manage its fisheries resources, and develop the management alternatives and income generating activities highlighted in the plan.

The Pakin community will not expect immediate, short-term, benefits from this management programme. The Project Team should start introducing development projects to help compensate the community for immediate losses when the programme begins. Tangible, long-term benefits of the programme will be gained by future generations on Pakin.

Attachment 1. List of participants

	Men	Women
1	Kasiano Artui	Akinis Linge
2	Samuel Wennio	Diana Taiwelyaro
3	Johnathan Zarred	Pornihka Zarred
4	Roman Linge	Domina Linge
5	Liberto Linge	Marselina Linge
6	Theodore Mark	Maria Artui
7	Ismael Linge	Makiri Defang
8	Diego Maipi	Martely Carl
9	Celino Taiwelyro	Anastasia Maipi
10	Larry Maipi	Sihna Mark
11	Siales Siales	Marsela Wenio
12	Nickolas Marko	Berdyna Siten
13	Harry Wennio	Joan Wenio
14	Mikael Apwong	Arleen Linge
15	Raymond Linge	Echimina Nennis
16	Samuel Mark	Echiwina Bernart
17	Joakim Defang	Perky Nennis
18	Justino Nennis	Jenny Molens
19	Fidiriko Nennis	
20	Simon Linge	
21	Antolin Eur	

Plan of action

Reference	Activities	Responsible Agencies	Expected Timeframe	Comments
8.1.1 Awareness programmes	Develop awareness materials Create posters and signs Conduct outreach programmes and wider public awareness campaigns	CSP, OFA, EPA CSP, OFA, EPA PFMC, SMG, OFA, CSP, EPA	Within 4 months Within 6 months Within 12 months	
8.1.2 Lack of enforcement	Review enforcement programmes Awareness campaigns on existing laws Strengthen enforcement of fishery waters	MCU/DLNR, OFA, EPA, AG EPA, OFA, PFMC, CSP PFMC, MCU/DLNR, OFA, SMG	Within 6 months Ongoing Ongoing	
8.1.3 Waste management	Develop simple plans for waste disposal Develop designated area for trash in Pakin Develop waste management system for Pakin Source technical assistance on waste disposal and management for Pakin	EPA, PFMC EPA, OFA, PFMC, SMG EPA, PFMC, OFA, CSP EPA, CSP, SMG	Within 6 months Within 6 months Within 12 months Ongoing	
8.1.4 Effects of climate change	Provide relevant information on climate change effects on the marine environment Monitor changes	EPA, OFA, PFMC, CSP CSP, OFA, EPA	Ongoing Ongoing	
8.2.1 Control outside fishers	Develop by-laws in consultation with State Government and Sokehs Municipality Provide technical support on developing by-laws Provide technical advice on seasonal harvest of marine species Develop size limits for coastal fisheries resources Enforce by-laws and size regulations	PFMC, SMG, AG, OFA OFA OFA, PFMC, MCU/DLNR, CSP OFA, PFMC, MCU/DLNR, CSP	Within 12 months Ongoing Ongoing Ongoing	
8.2.2 Marine Protected Area	Site selection for MPA Develop legislation for MPA Declaration of MPA Conduct awareness programmes Monitoring and enforcement of MPA	PFMC, OFA, CSP OFA, PFMC OFA, CSP, PFMC, CMG, EPA OFA, CSP, PFMC, CMG, EPA OFA, MCU/DLNR, PFMC	Within 12 months Within 12 months Within 6 months Ongoing Ongoing	
8.2.3 Destructive fishing	Enforce legislation on destructive fishing Carry out awareness programmes	OFA, MCU/DLNR OFA, CSP, MCU/DLNR	Ongoing Ongoing	
8.2.4 Offshore fishing opportunities	Source funds for FADs Deploy and conduct training on FADs Conduct training on offshore fishing techniques	OFA, CSP OFA OFA, PFMC	Within 12 months Within 12 months Ongoing	
8.2.5 Alternative sources of income	Revitalize copra production Improve pearl farming Develop small-scale pig farming Develop backyard agricultural Capacity building	PFMC, SMG PFMC, OFA, SMG OFA, DLNR, OFA, PFMC PFMC All	Ongoing Ongoing Ongoing Ongoing Ongoing	

Date: March 11, 2009

Date: March 12, 2009

Time: 1330h – 1900h

Time: 1300h – 1900h

Venue: Pakin Elementary School

Facilitators: Donald David (OFA)
Patterson Shed (CSP)
Mariano Martin (Sokehs)

Recorders: Dave Mathias (MCU) Marvin Ludrick (CSP)
Eugene Joseph (CSP) Charles Lohn (EPA)
Orden Ohry (MCU) Pelson Moses (OFA)

Technical Assistance: Etuati Ropeti (CSP)

Effects	Key Issues/Problems	Causes	Solutions	Actions	Who
- Decline in fish stocks - Turtle numbers decreasing - Too much rubbish - COT outbreaks - Octopus getting rare - Outside fishers - Less income	Marine pollution	Tourists/visitors dumping rubbish - Fishing vessels - Lack of awareness	Monitor tourist/visitors activities	Signs, posters, etc	CSP and EPA Sokehs Municipality ➤ signs and posters Principal ➤ assist with awareness programmes
		Lack of enforcement of current laws	Improved awareness among public at large	Conduct awareness programmes through community visits, outreach programmes	CSP, EPA, OFA, Sokehs Municipality, church leaders
		Trash from ships Trash from the main island of Pohnpei Washed up on shore mainly from Pohnpei	Improved enforcement of current law Enforce local and international laws on waste disposals on ship	Strengthen existing laws Monitor activities of fishing vessels (dumping wastes/trash at sea)	Sokehs Municipality OFA, EPA Congress/Legislature MCU National Government
		Lack of proper waste management system No designated area	Develop proper waste management systems Develop simple plan for waste disposal Designated area with sign to mark dumping area on island Seek support from responsible authorities	Ban dumping of trash at sea	EPA, OFA, CSP Community leaders Sokehs Municipality National Government
				Designated area for trash on Pakin and/or for each household Clean-up campaign on the island Provide assistance with shipping trash out of the island to Pohnpei	Community/households Pakin Women's Association Pakin youth and school Pakin Community Association State and Municipality National Government

	Laid (overfishing)	Tohn laid kohsang Pohnpai Non-Pakin fisherman Laid en netla Commercial fishing Laid en uhk Destructive fishing methods Mahs ohl kelepaw kin laid, met lih kin iang Only men fish before, nowadays woman also fish Dipwsou en laid en menihke wekidekla Destructive fishing methods for sea cucumber, giant clam, etc	Kosonned en wiaihda pwehn irehdi tohn laid sang Pohnpai kohdo Pakin Formulate a law Elen sent likin laid Alternative income- generating activity Rapakihd programme me pahn sewese lih Develop women's activities Kosonned ohng sais en uhk Regulate net mesh size Tohn pakin en pein wiada arail kosonned ohng sais en sile/menihke kan Pakin community to develop own rules on clam sizes and/or harvest	Kamwer/nahk – MPA Community pahn iang tetehek wasah kan Community enforcement Irehdi kesik inpwong mas likin pahn ban night spear fishing outside the reef Kapwurehda mwangas Revitalize copra production and marketing Pearl farm Kihdo kaskuhl ohng pwihn en lih Women's Development Programme Wiaihdahn kosonned Develop law on mesh Soumas (Traditional leaders) en kauada kosonned Develop local regs for Pakin En mie ansou en saik sile duwehte wiepen apwalih sumwumw Clams – regulation for seasonal harvest	Pakin Community, Sokehs Municipal Gov., Legislature, AG's office, DLNR OFA, CSP Community, DLNR, Traditional leaders, Sokehs Municipal Gov., Copra grader (Jonathan), SMG, OFA (EDA), community PCA, College of Micronesia Land Grant SMG, SPC, Social Affairs, IFCP, PWA Community, OFA, AG's office, CSP, DLNR, SMG Community Community, AG's office, OFA, DLNR, CSP, SMG
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	Keirdahn pai en wehi (economic development)	Sohte elen kapai kan likin laid Lack of alternative economic development Sohte mehn peidaid mwangas ohng Pohnpei No transport/shipping for copra Anahne kamwauihala imwen mwangas Improved copra storage Men peidaid lahng pohn soh Lack of transport from main island to ship Revolving fund (RF) sohte itar RF not enough Sohte itar \$\$ en apwalih tohn doadoak Lack of funding for labour for pearl farm Irail kan me wahdo Pearl project sohte itar kaskuhl ohng tohn deke Pakin Need capacity building on pearl project Solahr dokpene nan pwungen tohn Pakin, PCA, oh College of Micronesia Land Grant Lack of communication from PCA Land Grant Dipwsou en doadoahk kan mihmihte OFA anahne wesik dihdho Materials for pearl farm from OFA Kehl kan pwe en irehdi pwihk sang mwetwel kan Pig pen construction \$\$ project kan kolokoldi (U&CF) Money project from U and CF	Kapwurehda mwangas Bring back copra Pearl farming management Kisinlikou en wiaiwihda oh kolahng SMG pwe en sawaski mehn peidaid Letter to municipality to assist with transport Anahnepen pod kap Replanting coconuts RF en kasou sang CDA ohng PCA Transfer funds to PCA \$\$ en kalaudla pwehn kakehlaka wiada mwangas Increase RF to increase copra production SMG en ehuong Pohnpei state gov. pwehn doadoangki soh kan ni arail wia southern field trip SMG to work with Pohnpei state for transportation for copra Tohn Pakin anahne update sang PCA Update from PCA on pearl farm OFA oh SMG en pwukoahki kadardihdo dipwsou kan Assist with transporting pearl farm materials Kakehlaka wiepen sapwasap/mwetwel kan (karer, iasai) Improve sustainable agro-forestry production Project en paiau (FAD)		
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Koasondi ohng epwelpen paliesed
en

Kousapw Pakin

Weihn Sokehs, Pohnpei
Kahn Deke Kapatapat akan en micronesia
Souhnpwong en
Mahs 2009



Kaunopda sang Etuati Ropeti, Eugene Joseph, Donald David

Ahd kamwot en palih kan

AG	Attorney General
CEAFM	Community-based Ecosystem Approach to Fisheries Management
CFMS	Coastal Fisheries Management Section (SPC)
CSP	Conservation Society of Pohnpei
DLNR	Department of Lands and Natural Resources
EPA	Environmental Protection Agency
FSM	Federated States of Micronesia
MCT	Micronesia Conservation Trust
MPA	Marine Protected Area
NGO	non-governmental organisation
OFA	Office of Fisheries and Aquaculture
PFMC	Pakin Fisheries Management Committee
SoP	State of Pohnpei
SPC	Secretariat of the Pacific Community

Pilahn wet kaunopdahr sang irail tohn kousapw Pakin oh pwihn en sawas ohng doadoahk wet patehng sawas en kaweid sang pali me kin kaweid epwel pen audepen paliesed oh soused kan nan SPC oh sawas en sent sang Austrailia ohng nan minimin en keihrdahn Sampah (Aus Aid) sang Embassy en Austrailia nan Pohnpei FSM.

1 Irehn kapehse kan

Pohnpei wia kisehn ehu wehi pahieu kan me minimin penehr oh wiada Kahndeke Kapataqpat akan en Micronesia (Wehi siluh teikan iei me iangahki Weihn Yap, Weihn Chuuk oh Weihn Kosrea) Pohnpei patopato ni pali Epeng en lepin sed laud Pacific, nan werengen deke kan me pato pali mese en Caroline nan pwungen Weihn Hawaii oh Philipine. Wehi wet wiawikihda kahlap en Pohnpei oh kisin Deke waluh me pato maslikin Pahina en kahlap en Pohnpei. Uwen Wasa kan me wia sahpw nan Pohnpei ele patopato ni Sukwehr Kilometer 345.

Pohnpei sahpw ehu me kolokol songesongen kepikipik tohto nan pwungen sahpw akan me wiahda Micronesia, oh karepe wet, me eh iang pilipil kihda en iang wia kisehn wasa kan me kesempwal oh wadawadki kolokol songesongen kepikipik tohto. Poadepen wasa kiset kaidehn pwehki aramas akan te ahpw pwehki reken songesongen kepikipik kei me rasehng, Pihl akan, takai, mwomwen wasa, soangen tuhke, mahn kerep opil audepen paliesed ahpw mehlel koasondi en kepikipikda kan en sahpw wet. Sohte mehkot me sohte katepe, soahng koaros mie koasoepe, oh inenen sansal momour penehn kepikipik teikan oh aramas, kitail kak patowan me Paliesed oh Paliemoar wia wasahn nahk en tetehn mour ohng aramas me tungoalenki pwukoahn momourki oh apwapwalih kisakis soh pweipwei pwukat.

Lelehr ahnsou ieu me piripir en mwehi kapw wekidalahr poadopoad oh koasoi kesempwal akan me wia koasondi en tiahk me kedeudeudo sang ehu dih ohng ehu dih, aramas akan tamatamante koasondi en momour pene wet ahpw tohto me sohla pehm kesempwal en momour pene wet, me pil patehng met sapwelimatail koasondi en epwel nin diwen sapwelimatail tiahk sosohrala oh elehda wiepen apwalih, kirawih kepikipik kan me wia tetehn ieias ohng aramas akan pil wekideklahr.

Nanwel sohla wia wasa kesempwal nin diwen me eh wia mahs, Kamwomwala audepen Paliesed kan, kihd wasa kan Paliemoar oh Paliesed. E solahr kak en pwuralahng nin diwen tiahk en epwel pen wasa pwukat mahs, ahpw epahn inenen sawas ma kitail pahn song uwen atail kak en apwapwalih nin diwen epwel en ahnsou wet oh nantieng idawehn koasondi en tiahk me doadoahkehr ahnsou reirei oh wiaier koasondi en epwel me konehng sahpw, sehd oh audapara kan.

Sang ni mwardang en totohla en aramas me ahnsou wet lelehr 40,000 depil totohsang opil wikidekla en ieias ki tetehn ieias kan me sohte anahn epen mwohni laud ohng tetehn ieias kapw me anahnepen mwohni udahn laud, met sewese kamwardanghla doadoahk en keihdrda kan. Ineng kelail en koasondi kan ohng keihdrda eledahr laihd kamwomw tehte kan ohng mwahmw opil tetehn ieias teikan, wiepen doadoahk en keihdrda kan me kawelahr ninlimatail kan oh wiepen mwetwel kan me kitail sapwelimanki rahn. Nan iraihr en souhnpar kei me patolahr.

Kapworment en Kahndeke Kapatapat akan en Micronesia, Kapworment en Weihn Pohnpei oh Kapworment en ehu ehu Wehi kan patehng irail tohn kouson akan oh palih torohr kan me kin wia ehu pirien en pwukoah patowandahr kilel kei pwehn kak kasalehda wasahn Nahk kan ohng weipokon en Pohnpei.

Met me iangahki doadoahk kan en nahk me udahn sapwelimatail oh kapataieng wiepe kapw me kapatapene sapwelimatail wiepen epwel me konehng kan oh wiepen kan en ahnsou wet me pil konehng epwel pen doadoahk kan en wasahn Nahk en Pihl, Wiepen minimin ki pene doadoahk kan ohng epwel pen wasahn Nahk en Paliesed me tohn kouson kan peihn koasonehdi oh apwapwalih, opil program en kasikuhl kan me pid epwel pen ninlimatail Paliemoar opil Paliesed.

Pwehn kak kadaiala wehwe ohng wiepen epwel kan, Ohpis en Fisheries oh Aquaculture (OFA), Conservation Society en Pohnpei (CSP), oh irail palih kan sang nan Kapworment en Weihn Pohnpei patehng sawas en kaweid sang SPC, kaweidadahr wiepen doadoahk ieu me iei Community based Ecosystem Approach pwehn kak koasonehdi wia wiepen epwel ohng Paliesed (CEAFMP)

Wiepen doadoahk CEAFM kiong tohn kouson kan me kin momourki audepen wasa pwukat pwukoah en peihn apwapwalih audepen wasa pwukat ni wiepe ieu me tohn kouson akan patehng wiepen ropada, koasonehdi oh apwapwalih kepikipik kan me wia audepen sapwelimarail wasa kan. Tohn kouson akan peihn ropada oh koasonehdi doadoahk kan me irail pahn wia oh Kapworment pahn wia kaweid ohng plan en epwel kan me irail pahn wia, patehng wiepen doadoahk CEAFM, me pahn kaminiminih pene kisin pwihn kan, ahpw mehlel pwihn

en lih oh pwihn pwulopwul kan. Wiepen doadoahk CEAFM kak pweida ni ah pahn kapatapene kaweid kan en tiahk, kaweid en palih kan nan Kapwoment, kaweid sang palih kan me sohte mi nan Kopwoment NGO, oh sapwelimatail teikan pwehn wia poason en kaweid ohng wiawidahn plan ohng wiepen epwel kapatapat ieu.

Plan wet koasonehdi irehn kaweid kei ohng epwel ohng Deke Pakihn me pato nan Weihsn Sokehs, Pohnpei. Plan wet Kekeuda sang ni ireh kan me alahldi sang nan kahng en wiekupwur kei me paudaud pene kupwur en palih kan wiepen doadoahk pene ieu me kak kamwakid epwel poatopoat ohng audepen paliesed en Pakin.

2 Wasa doadoahk wet pato ie

Pakihn deke ieu me pato ele mwaihl 28 ni pali eih en pali kapi en Pohnpei. Deke wet wiawikihda kisin Deke tikitik 17 me Pahina kapel pene. Uwen wasa me wia sahpw ni deke pwukat ele patopato ni suker mwaihl .42. Deke 5 nan pwungen deke pwukat me kepikipik tohto pato ie me iangahki Deke Nikahlap me wia wasahn loidohn aramas. Nikahlap iei wasa me Tehnpas Sarawi oh Imwen Sikuhl pato ie opil iei wasa me pali tohto en wiekupwur en tohn kouson kin wiawie.

Deke wet tungoalenki Nehnamw laud oh loal me ele laudki suker mwaihl 5.52 oh loalki ele mihter 100. Nehnamw oh Pahina me kapelpene deke pwukat wia poason en mour ohng tohn Kousapw wet oh epil wia ehu wasa me kolokol pene soangesongen kepikipik tohto me kin momour pene paliesed en Weihsn Pohnpei.

Totohn aramas me kin kousapw pohn deke Pakin ele patopato ni aramas epwiki riehk (120). Ele aramas wenehk 60 me kin udahn patopato ni kahlap en Pohnpei. Nan pwungen aramas epwiki riehk 120, present pahsek isuh 47% me laud (souhnpas 18 kohda) oh present limeisek siluh 53% seri oh me pwulopwul kan. Tohn Kousapw en Pakin wia tohn kouson minimin ieu me sapan pene oh epwel pene wia kisehn momour en tohn Kousapw wet. Mie peihn arail Soumas en Kousapw me kin kak kedeudeudo ni peneinei de pilipilda sang tohn Kousapw Pakihn.



Elen sent ohng tohn Kousapw Pakihn iei netlahn mwahmw, mwangas oh ekei pak Pwihk ohng aramas en Pohnpei. Deke wet pil kolokol soangen Karer ieu me ele keieu kaselel nan Pohnpei oh ekei pak kin netla ni kahlap en Pohnpei.

Sikuhl en Pakihn kin sawaski palien kasikuhl ohng seri kan en Pakin. Sukuhl pato pahn epwel sawas en kempa en sukuhl en Pohnpei oh kin pwukoahki kasukulih tohn sukuhl 32 oh souhn padahk 4 patehng principal. Tohn

sukuhl me kin neksang kan kin kalaude arail kasukuhl nan high sukuhl kan en Pohnpei.

Tohn kousapw wet me alehdi doahdoak en kamwer en Pwai me sawas en

mwohni oh kaweid kohda sang Collage en Micronesia (COM) sang palien Roprop oh

Kasukuhl. Doadoahk wet tohn kousapw patkiong Island Communities oh doadoahk wet wia iengen project kan me kinsewesehda keirdahn pai en wehi. Poason en doadoahk wet en kak wiada ehu kamwer en Pwai mehn kasikuhl oh pahn kak wiahla en tohn kouson pwehn kak wia elen kapidelong en sent torohr ohng tohn kousapw kan. Doadoahk wet kakehlakahla minimin en doadoahk en tohn kouson wet oh koaiek en peihn wia doadoahk opil soangen koaiek teikan.

3 Peihn Sapwelimatail wiepen laihd oh perehpe kan

Sansalehr sang irail tohn kouson mah kan, me mie koasondi en laid kei ohng Pakihn me tepda ekis ekis sohrala ele ni imwin pahr 1960. Kolongodo en Ice Box patehngwiepen laihd kapw kan elehda wikidekla ohng wiepen laihd oh mwekid en aramas akan ohng audepen paliesed. Koasondi en tiahk ohng laihd sosohrala ki alahlda en laihd wiakau me laidih soangen wahn sehd kei me kesempwal ohng kouson en Deke Pakihn.

Laihd me kin kalapw wiawi mahs iei laihdki Ketieu, kehs oh sahl me wiawida sang kilin tuhke kan. Dipwisou en laihd pwukat kin ale kasarawi en Soumas en Kosapw oh dipwisou en laihd ohng soangen laihd opil soangen wiepen laihd pisetik kei. Karasepe: Peneinei en Mahu de Mwomw meih inenen kesempwal nan tiahk oh mie poadepe oh sohte mweimwei en laidih nihpwong. Kemeihk me pil adaniki “Tiakami” irail soused kan me kin laidih kin wiada ehu soangen ngihl pwe irail en kak wendi pahn pahi kan irail ahpw kin doadoahki ketieu torohr ieu me kin wiawihda oh doadoahk ohng ete laidih Kemeihk.



Doadoahki Mai me kin wiawikihda takai me kin koasukoasukda peian keilen nahmw akan iei ehu wiepen laihd me kin wiawi Pakin. Mwahmw kin pidelong nan kisin wasa kis me kin wiawihda ohng wasahn pidelong en mwahmw oh kin tengala nan wasa lauhd me mi masloalen kehl takai kan. Ahnsou me mwahmw kan mihier nan kehl takai kan irail kak mihmi loale rahn ekei oh soused kan kak laidih mwahmw kan ohng mehn ketinaihn en ehu ehu rahn akan oh ahnsou me anahnepe mei.

Lidip me wiawikihda tuhke pil kin kalapw doadoahk nansed ken. Lidip pwukat kin wiawihda kohdi nansed oh mihmi rahn ekei, soused kan kak pilada soangen mwahmw me irail pahn laidih ohng mehn sak. Ahnsou me lidip wet mihmite nansed.

Sohte mweimwei laidih songen mwahmw kei ihte ma mie mweimwei sang Soumas en Kousapw. Karasepe: Wasahn neitik en Wehi, sohte mweimwei aramas en kak laidih ihte ma Soumas en kousapw kalohkihda me aramas kak laidih. Nehne peseng en mwahmw me kin lohdi kin wiawi nin diwen tiahk. Mwahmw me tepin dohdi oh mwahmw laud kin kolahng soumas en kousapw ohng kaudekpe oh peki paiauwahu ohng laihd en mwuhr kan.

4 Wiepen momourki audepen paliesed.

Pohnpei diwehte wehi teikan me tohn kouson kin momourki songesongen mwahmw, menihke kan me wia audepen paliesed. Mie koasondi en tiahk en ieiasiki oh apwapwalih tetehn ieias pwukat. Ahpw pwehki totohla en aramas oh wikidekla en momour sang ieiasiki soahng kan me wia peihn sapwelimatail ohng ieias me anahnepen mwohni laud, audepen paliesed oh mad akan ale kahpwal laud sang irail akan me kin doadoahki wasa pwukat.

Sang ni wiepen doadoahk Rapid Ecological Assessment (REA) oh roprop en nan market kan me wiawier sang irail tohn doadoahk kan en CSP oh OFA kasalehda me mwahmw akan nansed en Pohnpei malaulaulahr oh wie tikitikla.

Nan report en Pakin kasalehda me pali tohto en mwahmw, menihke kesempwal kan malaulaulahr. Met me iangaki Pahsu, Katop, peneinei en Mwomw mei, oh Wehi.

5 Kosoned en paliesed kan me mie.

Poason en kosoned en FSM mweidehng ehu ehu wehi pahieu kan irepen arail lepin sed kan.

Nan kosoned en epwel pen paliesed en weihn Pohnpei me manamanla nan 1995 kasalehda irepen wasa kan me wia en Kapworment en Weihn Pohnpei oh wiepen pereh oh nahk audepen paliesed kan ohng aramas akan en Pohnpei. Epil doula irehdi aramas en doadoahki dipwisou en kapworment en Pohnpei kan. Irelaud 5 en kosoned kasalehda kehl en Kapworment en weihn Pohnpei nan lepin sed kan en Pohnpei. Met me wewehki me kapworment en weihn Pohnpei tungoalenki pwuhng oh pwukoahn dawidawih, kamwahuihala, nahk oh apwapwalih audepen paliesed kan nan wasa kan me wia lepin sed en Pohnpei.

Kosoned teikan me pil wiawihda ohng epwel pen paliesed oh wiepen nahk iei me iangahki:

- Kosoned en nahk oh kakehlepen epwel pen kepikipik kan en 1982 (26 PC 1-101 et seq.);
- Kosoned me apwalih soangesongen kepikipik kan me kereniong mwomwla en 1975 (26 PC 2-101 et seq.);
- Kosoned en nahk ohng Pwehl oh Pihl en 1992 (26 PC 3-101 et seq.);
- Kosoned en apwalih Nanwel kan me katorohr ala ohng nahk en Pihl oh perehpen Naniak kan en 1987 (26 PC 3-101 et seq.);
- Kosoned en apwalih wasahn nahk kan en paliesed en 1999 (26 PC 4-101 et seq.); oh
- Kosoned en nahk audepen paliesed kan en 1981 (26 PC 5-101 et seq.).

Epwel pen wasa kan me patopato ni mwaihl 2 maslikin paihna kan mihmi pahn epwel pen Kapworment en FSM.

6 Mehn kaweid doadoahk me pwihn en Lirorohki Pohnpei Sarawi doadoahki (LPS)

Kahk en doadoahk kan me pwihn en Lirorohki Pohnpei Sarawi doadoahki wia mehn kaweid doadoahk ohng wiawidahn plan en epwelpen paliesed en Pakin. Wiepe oh kahk en doadoahk kan sansal pah:

Kahk 1: Kasaladahn ineng en tohn kouson

Tohn kouson kei patohier nan Ohpis pwehn patowan ohng Kempa en Sahpw oh Epwelpen Kepikipik kan kisin likou ieu me kasalehda arail kupwurki iang wia doadoahk en CEAAMP. Me pil diwehte, irail tohn kouson akan

pil pato rehn irail pwihn en kaweid doadoahk wet oh kasalehda arail ineng en iang wia doadoahk wet. Pwihn wet ahpw kaweid ki Ohpis pwe ren kak utungada doadoahk wet. Pwihn en minimin en doadoahk wet audauhd kihda wilipeh kei sang OEA, DLNR, EPA oh NGO.

Kahk 2: Sakaradahn kapehse en tohn kouson ohng lapalap akan en tiahk

Mwurin alahlda en pekipek wet, pwihn me kaweidada doadoahk wet pato pahn kupwur en lapalap en tiahk kan pwehn patowen kupwuramwahu oh utuht ohng doadoahk wet. Pwihn wet sakarada oh kaweweh diwen doadoahk wet, ihs me pahn patehng doadoahk wet, soangen sawas kan me pahn sawas sang tohn kouson opil pwukoahn pwihn wet. Mihting wet pil sewese irail lapalap en tiahk nan kouson wet en kak mwahngih diwen doadoahk wet oh mwomwen kapai poatopaat kan me tohn kouson kak tungoalenki sang ni pweidahn doadoahk wet.

Nan mihting wet pwihn en epwel wet pil sakarkihda mwomwen doadoahk wet ah pahn doula ma irail pahn kupwurehla doadoahk wet en kak tepda.

Kahk 3 Kekeudahn pwihn ieu me pahn apwalih project wet oh arail pwukoah kan

Pwihn lap wet anahne en kauada ehu kisin pwihn me pahn audauhd kihda wiliepen pali pwukat:

- Ohpis en Fisheries oh Aquaculture
- Kempa en sahpw oh epwel pen kepikipik kan
- EPA
- Kapworment en wehi kan
- Conservation Society en Pohnpei
- Wiliepen tohn kouson

Kisin pwihn wet pahn kaunopada plan en doadoahk oh tetehek pwe doadoahk koaros en kak pweida mwahu.

Kahk 4: kaweid oh kasikuhl ohng tohn kouson kan

Wiepen doadoahk oh kaweid pahn kaunopada ong pwihn en lih, ohl oh me pwulepwul pwe irail en kak wewehkihla audepen pali esed. Tohn kousoan akan anahne patpene pwe irail kak kaweidpene oh wewehkihla kahpwal akan me mie ong wahn sehd oh tehkada wiepe mwahu oh konehng me kak sewesehda kahpwal akan.

Kahk 5: Kekeudahn komidi me pahn pwukoahki apwlih doadoahk oh arail pwukoah kan.

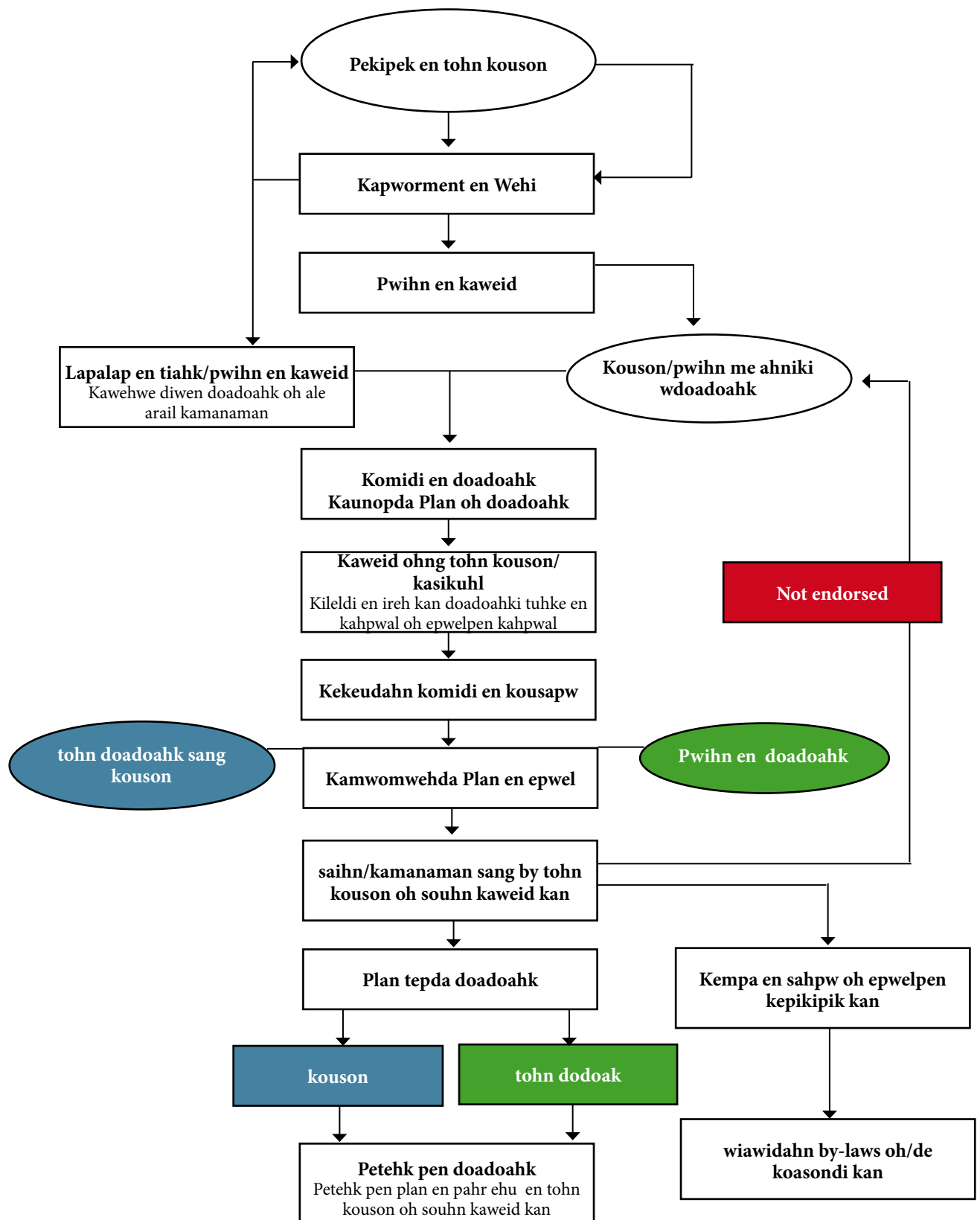
Tohn kouson kan patehng souhn kaweid en doadoahk kan pahn kauada komidi ieu me pahn audauhd kihda wilipe kan sang ehu ehu pwihn kan nan kouson me rasehng pwihn pwulopwul, pwihn en lih, palien mwomwodiso, pwihn torohr me mie nan koson ma mie, kapworment en wehi, oh lapalap akan en tiahk. Komidi wet pahn wiekupwurki wahn kasikuhl me wiawi ohng tohn kouson kan oh kaweid kamwomwehda plan en epwel pen audepen paliesed kan. Pwihn en kaweid doadoahk wet pahn sawaski tetehek kaweid oh sawas akan ohng wiawidahn plan wet pwehn kak alehdi ireh kan me wia wahn pweidahn kasikuhl ohng tohn kouson kan.

Kahk 6: Wiawidahn Plan en epwel pen paliesed en tohn kouson.

Komidi pahn ale kaweid sang irail pwihn en kaweid doadoahk wet oh wiada keieu en kamwomwada ohng Plan wet me pahn audauhd kihda ireh kan sang nan kasikuhl en tohn kouson kan oh kohpeseng rehn tohn kouson kan pwehn kak alehdi ireh kapatapat, wikidekla oh kamanamanla. Plan wet pahn audauhdkihda ireh kan sang pali koaros, sang rehn pwihn en souhn kaweid kan oh tohn kouson kan me sansalehr nan kasikuhl ohng tohn kouson kan me wiawier. Ma plan wet sohte kamanaman sang irail tohn kouson kan ah komidi pahn tehk sapahlih oh wia wikidekla kan me konehng pwehn kak en kamanamanla.

Ahnsou me plan wet pahn kamanamanla sang tohn kouson kan, plan wet pahn kaunopdahr pwehn kak saihn sang irail lapalap akan en tiahk oh pwihn en souhn kaweid kan.

Lirorohki Pohnpei Sarawi Model



Kahk 7: Saihnla en plan en tohn kouson.

Saihnlahn sapwelimen tohn kouson udahn pahn irekidi en mwar pwukat pwehn kak sansal oh ale utuht en kosoned sang ni palih kan arail pahn saihn.

- Kauh en Kempa en sahpuw oh epwelpen kepikipik kan.
- Lapalap en kapworment en wehi kan.
- Lapalap en tohn kouson kan
- Toweh kan en pwihn en saouhn kaweid kan

Kahk 8: Daudawih oh petehk sapahl

Plan wet pahn kin petehk sapahl pak ehu nan pahr ehu. Pwihn en souhn kaweid kan pahn koasonehdi wiepen petehk konehng pwehn kak tehk doadoahk kan me mie oh sansal nan plan wet. Wiepen petehk wet pahn mweidehng irail souhn kaweid kan en kak tehk sapahl doadoahk kan me tohn kouson kan wiadahr me koasondier nan Plan wet. Epil pahn mweimweiong irail tohn kouson kan en pil tehk doadoahk kan en pwihn en kaweid doadoahk wet.I

Pwihn en souhn kaweid kan pahn kaunopada repwoht oh nehk ohng irail tohn kouson akan.



7 Wiawidahn plan en epwel pen paliesed en Pakin.

7.1 Kasaladahn anahn

Wiepen doadoahk wet alehda ireh kan me dierekier nan roprop kan oh sang ni peipeidek pene ohng ekei tohn kouson me wiawier sang irail tohn doadoahk kan en CSP oh OFA ni sawas sang pali en Coastal Fisheries Management Program nan Ohpis en SPC. Ohpis en weihn Sokehs mwahngiher pekipek wet oh doadoahk tepdahr pwe doadoahk wet en kak mwekid. Pwihn en apwalih doadoahk wet wiawidahr pwehn apwalih doadoahk wet nan Pakin.

7.2 Pwihn en kaweid

Pwihn en kaweid doadoahk wet iei irail akan me sang nan pwihn oh palih kan sang nan Kapworment.

Donald David	Administrator (Office of Fisheries and Aquaculture)
Patterson Shed	Director (Conservation Society of Pohnpei)
Eugene Joseph	CSP
Clay Hedson	OFA
Dave Mathias	Marine Conservation Unit (DLNR)
Mariano Martin	Sokehs Municipality
Charles Lohn	EPA
Marvin Ludrick	CSP
Orden Ohry	Marine Conservation Unit
Pelson Moses	OFA
Etuati Ropeti	SPC

7.3 Kaweid ohng tohn kouson

Kaweid ohng tohn kouson kan wiawi ni mwomwen kasikuhl oh peipeidek pene wiawi ni imwen sikuhl en Pakin tepda ni March 10 – 14, 2009. Souhn kaweid ohng kasikuhl wet iei irail tohn pwihn en kaweid doadoahk wet de Project Team oh irail kaweid pwe tohn kouson en kak ropada poason en kahpwal kan, ia mwomwen kahpwal pwukat ah saihir ieias en tohn kouson, ropada soahng kan me elehda kahpwal pwukat oh dahme keieu konehng en wiawi pwehn kak apwalih kahpwal pwukat, soangen doadoahk dah me kak wiawi oh ihs me pahn pwukoahki en kamwakid doadoahk wet pwehn kak pweida.

7.4 Komidi en epwel pen paliesed en Pakin

Ni imwin kasikuhl ohng tohn kouson kan, Komidi en epwel pen paliesed en Pakin pilipilda. Tohn komidi wet pilipilda sang tohn kouson kan pwe irail en kak patehng pwihn en kaweid doadoahk wet oh kamwakid audepen Plan wet oh wilian tohn kouson ohng ni kepweipweida en audepen Plan wet. Irail kan me pilipilda en towe komidi wet iei me iangahki wiliopen pwihn kan en nan kouson. Oh irail kan me yowe iei:

Theodore Mark	(soused)
Casiano Artui	(Nahnapas Sokehs-lapalap en tiahk)
Larry Maipi	(kauhn en me pwulopwul)
Anastasia Maipi	(pwihn en lih)
Roman Linge	(Mwomwodiso)
Johnathan Zarred	(palien sikuhl)

7.5 Koasondi en Plan

Paln en doadoahk wet koasondiong en wia Pakin Atoll Coastal Management Plan (PACFMP) Plan en PACFMP koasonehdi wiepen epwel konehng kei me kak sewese doadoahki poatopaat kepikipik kan oh wiepen nahk audepen paliesed kan en Pakin.

Plan wet pil kasalehda doadoahk kan me wiewiawi me pid wiepen doadoahk en keihnda konehng oh kosoned en epwel pen palsied kan me Pohnpei ketin sapwelimanki. Plan wet pil kak wilian kosoned akan me apwalih keihnda oh wiepen epwel kan me mie nan weihn Pohnpei

7.6 Koasondi en doadoahk kan.

Plan wet koasonehdi koasondi en doadoahk kei me kasalehda wiepen epwel konehng kan ohng paliesed en Pakin

- Kakehlakahla kupwur en irail lapalap akan en tiahk ohng epwelpen laihd akan oh kapatahieng epwel pen momour penehn kepikipik kan ni tohn kouson kan arail pahn ehu pene oh peihn apwalih.
- Wauhniki peihn sapwelimatail tiahk en momourki kepikipik kan oh koasondi en epwel pen audepen paliesed kan me wia teteht ieias mwahu en tohn kouson.
- Koakoahda ahl mwahu ohng tohn kouson kan en kak ehu ohng palih kan me kamwoweier doadoahk en keihnda kan.
- Koasonehdi wiepen ieiasiki poatopaat audepen paliesed kan ohng dih wet opil dih en mwuhr kan.

7.7 Kairoihr en tohn kouson

“Tohn Kouson en Pakin me kin ieiasiki kepikipik kan ni koasondi en epwel konehng oh wia kisehn teteht ieias kan ohng ahsou wet opil ohng dih en mwuhr kan”

8 Koasondi en epwel kan

Koasondi en epwel kan me sansal nan plan wet kasalehda doadoahk kei me anahne kemwekid pwehn sewese katikala de apwalihala kahpwal kei me sansalehr sang kaweid pene kan me wiawier rehn tohn kouson kan. Kepweipweida en doadoahk pwukat anahne irail tohn kouson en kahmwowe pwukoah kan ah pali teikan ahpw pahn sawas. Palih kan pahn sewese pwukoah kan nin diwen me ehu ehu palih kan koasondier en sawaski. Ekei pwukoah me pahn wiawi anahne ehu pene en koaiek en irail pwihn en kaweid kan oh sawas en irail pwihn en kauada kosoned kan nan Kapworment en Pohnpei. Irail pwihn en kaweid ohng doadoahk wet kak sawaski sawas en likih kan oh utuht ohng irail tohn kouson kan ohng ni doadoahk kan me irail pahn wia.

Nan kaweid pene kan me wiawier ohng tohn kouson kan, kahpwal lap riau irail ropadahr me iei:

1. Saminlahn Paliesed
2. Laihd kamwomw tehte kan

8.1 Saminlahn Paliesed

Sang ni kawied pene kan kasalehda me kihd sang soangesongen mehn kasamin kan kin dierek pohn oarohr akan en Pakin. Kasamin sang ni sohp, pwoht de sohp en laihd kan me kin kesehla arail kihd kan nansed oh pil oil me wia kahpwal laud ohng olahn mad akan. Patehng met, kasamin sang ni doadoahk en aramas oh saminalhn nan wehwe pil elehda kahpwal ohng mad oh nehnamw kan en Pakin. Kasamin kan sang ni kahlap en Pohnpei kin kalapw wiada kahpwal en kasamin ohng kisin dekeh kan ni ah kin wiada kahpwal laud ohng audepen paliesed kan en pohn mad oh nan nahmw akan. Met elehionger kahpwal en kaparapar ohng ekei kepikipik en paliesed kesempwal kan me sansal mwahu ohng tohn kouson en Pakin. Pwehn kak apwalih kahpwal wet, doadoahk pwukat anahne en kak wiawi:

8.1.1 Prokram en kaweid kan.

Tohn kouson kamehlele me mie anahnepen prokram en kaweid me pahn pato ni kampeihn ohng tohn deke kan pil kouson kan en ni kahlap en Pohnpei. Kampeihn wet pahn doke irail Turist, tohn Sohp akan me kin seilokdo, Pwoht en laihd oh soused kan. Patehng met, prokram en kaweid en kak mie ohng tohn kouson kan oh koasondi en pwarek nan kouson kan en wiahla ehu prokram nan kapworment en weihn Pohnpei.

Kousapw Pakin

- Patehn irail souhn kaweid en doadoahk kan oh wia prokram en kaweid ohng tohn deke kan.
- Kauh en souhn padahk en sikuhl oh lapalap en mwomwodiso kan udahn pahn wia arail pwukoah ohng ni kampeihn wet.
- Pwihn en kaweid daodahk
- Kaunopada tetehn doadoahk kan ohng Kampeihn wet, me diwehte, Poster, saihn, oh wia prokram en kaweid en nan kouson kan.



8.1.2 Seu itar en kakehlepen kosoned kan me mie rahn wet.

Mehndahte ah mie kosoned weipokon ohng epwelpen kasamin ohng paliesed en weihn Pohnpei me momour rahn wet, tohn kouson kamehlele me mie seu itar ohng ni kakehlepen kosoned pwukat. Tohn kouson kan wewehki me ekei Pwoht en laihd kan oh sohp kan me kin pwarek Pohnpei kin kesehla kihd nansed kan. Epwel pen mwekid pwukat mie ohng weipokon en Pohnpei ni pali tohto en kasamin pwukat ah kin peila ohng ni oarohr en deke kan.

Kousapw Pakin

- Tetehk oh repwohtki sohp sohte lipilipil me kin kesehla kihd nansed kan.

Pwihn en kaweid kan

- Doadoahk ohng palien kakehlaka kosoned pwehn kakehlakahla pwukoahn kakehlepen kosoned kan me mie.
- Wia prokram en kaweid ohng weipokon ohng ni kosoned kan me mie.
- Doadoahk ohng kapworment lap en FSM ohng ni kakehlepen kosoned kan en FSM kan ohng kasamin en paliesed.

8.1.3 Seu itar en wiawidahn wasahn kihd konehng me kak doadoahk ni kisin dekeh kan.

Pakihn duehte deke teikan en wein Pohnpei, tohn deke wet kin doadoahngki pihl en pwarer me irail weirada oh pihl en nimpil sang nan tank Kihd sohte wasahn nekidala wia kahpwal laud pwehki eh kak kawehla de kasaminehla pihl en pwarer kan.

Kousapw Pakihn

- Irail udahn pahn kahlohki oh kapehse kamwakel lap en wiawi
- Koasoanehdi wasahn kesehla kihd kan.
- Wia kamwakel ni ahnsou kan me koasoandi pwehn kolokol mwakelekel pohn deke Pakihn.

Pwihn en pilan (Project Team)

- Ale kaweid sang ni ohpis kan me kak sawas ong ni wiepen nekid oh kesehla kihd.
- Wiahda ehu pilan ong ni wiepen nekid de kesehla kihd.
- Wiahda wasahn nekidala de kesehla kihd pohn Deke Pakihn.
- Wia kaweid me pid wiepen kesehla kihd.

8.1.4 Kahpwal kan sang wikidekla en nan wehwe

Kahpwal kan me sang wikidekla en nan wehwe wia kahpwal me mie nan Sampah me pil kin wiada kahpwal ohng kisin dekeh tikitik kan. Kahpwal kan me sang wikidekla en nan wehwe sansaladahr nan kahng en mihting kei ni ah wia ehu mwekid me kasalehda kahpwal laud ohng momour penehn audepen paliesed kan. Tohn kousapw peki irehn kaweid kan me pid kahpwal kan me kin sang wikidekla en nan wehwe ohng mour en nansed oh kepikipik kan en paliesed.

Tohn kousapw Pakin pahn:

- Iang towehda kasikuhl kan me pahn pid mwekid en wikidekla en nan wehwe;
- Tetehk wikidekla kan ohng paliesed oh pakaihr kiong pwihn en kaweid doadoahk wet.

Tohn pwihn en kaweid doadoahk pahn:

- Sawaskihda irehn kaweid me pid kahpwal kan sang mwekid en wikidekla en nan wehwe.
- Sewese tohn kousapw ohng kaweweh ireh kan oh kilelehdi en wikidekla kan ohng momour en paliesed, oh wia prokram kan me kak kokoaiekihala tohn kousapw pwe ren kak apwalih kahpwal akan sang mwekid en wikidekla en nan wehwe.

8.2 Laihd kamwomw tehte ohng audepen paliesed kan.

Ehu irehn kapwunod me sansalda nan mihting kan, iei iren keinemwe me pid malaulaula de sosohrala en soangesong mwahmw oh menihke kan mas likin paina, mas loale oh pohn pahina de mad akan en Pakin. Pwehki Pakihn wia sahpw deke oh sohte itar sahpw ong mwetiwel ape, tohn deke Pakihn kin momour sang paliesed oh ihte elen sent me mie ong irail. Me pil sansal nan iren kaweid pene kan me soangesongen kepikipik en paliesed totohto sosohrala, oh ekei apwal en dierek, me iangahki; kihs, wehi oh pahsu.

Pwehki anahn en sent eh inenen laud, karehda tohn deke Pakihn saihk wahn sehd laud sang dahme anahn. Miehla ice box oh mehn peidaid mwahula elehda soangen wiepen laid eh tohtohla. Sang kahrepe pwukat mehn Pakihn koasoanehdi me wiepen katikala de doare mwomwlahn wahn sehd me pahn sansal pah kan pahn doadoahk pwehn sewese kahpwal pwukat

8.2.1 Epwel pen soused en likih kan ohng laihd Pakin

Pwehki nansed en wein Pohnpei likin wasa me kosonned irehdi, aramas koaros ahneki saledek en laid mehnda ma kaidehn arail wasa. Ni patoh mengei, wahn sehd pwukat ong koaros aramas en wein Pohnpei apw emen emen kitail sohte men apwalih de kanaiong ni ahnsou en laidih de saihk. Tohn deke Pakihn kamelele me soused

en liki kan laidier nan arail wasa kan, pohn mad oh nansed akan ni arail tungoalenki madamadau en soh kopwung loal oh laihd kamwomwtehte oh ih soangen wiepe wet me irail pil kin wia deke Pakihn.

Kousapw Pakihn

- Pahn anahne ehu ong pwihn en pilan (Project Team) wiahda ehu koasondi me pahn iang kakehlaka kosonned me pahn sewese doare laid mas loalen paihna, pohn paina de pohn mad en Pakihn sang soused en liki kan.
- Pekipek ong Kapworment en Pohnpei, ni kaweid en ohpis en weihn Sokehs en kak wiada koasondi ieu pwehn apwaliahda wiepe konehng me pahn sewese apwalih soused en liki kan ong wiepen laihd me pahn konehng en kak wiawi nansed en Pakihn.
- Pahn udahn sewese wiepen laihd me pahn koasoandi oh tehk ni keneinei pwe en kak iang doare laihd me pahn wiawi nansed en Pakin.

Pwihn en kaweid doadoahk

- Pahn ehu ong Kaun en ohpis en kosonned en weihn Pohnpei (AG Office) pwehn kawada kosonned oh mehn kaweid me pahn apwalih laihd likin deke Pakin.
- Pahn kaunopada iren kaweid oh utuht kan me pahn sewese state oh ohpis en weihn Sokehs ni ineng en tohn deke Pakin pwehn apwalih laihd ni deke Pakihn.
- Kaunopada mehn kaweid me pid kosonned oh inapwidi, de sohte saihk soangesongen mahu nin duen me kosonned koasoanehdi.
- Kaunopada mehn kaweid ong saihs en mwahmw me kak seiseida de me aramas kak laidih ong ni ehu ehu soangen mwahmw



8.2.2 Wiawidahn ehu wasahn nahk en paliesed MPA

Ong ni wiepen kirawih de katotowehla soangesongen mwahmw kan me mwomwlahr de sosohrala kan, mehn Pakihn kamelele me wiepe me kak wiawi pwehn pwurehng katotowehla mwahmw mas loale oh pohn paihna kan iei wiawidahn wasahn nahk en paliesed (MPA) me pahn inapwidi oh sohte saihk soangesongen mwahmw sohte lipilipil wasa me kosonned inapwidi. Wasa kiset pahn anahne keneinei oh kesempwal pwehki eh pahn wia wasahn kanaitik oh kakaihrada kepikipik en paliesed koaros.

Kousapw Pakihn

- Pahn patehng pwihn en pilan (Project Team) pilada oh koasoanehdi wasahn nahk (MPA) wet.
- Kakehlaka oh tehk mwahu wasahn nahk (MPA) wet pwehn doare souhn laid kan en dehr laid ie.
- Kalohki de kaweidki tohn deke Pakihn koasondi kan me pid wasahn nahk wet.

Pwihn en kaweid doadoahk

- Pahn kaunopada mehn kaweid oh sewese wasahn nahk wet (MPA) pwehn pweida.
- Patehng tohn deke Pakin ong ni mehn kapehse kan me pid wasahn nahk wet.
- Sewese wiepen kauwada kosonned ong wasahn nahk wet (MPA).
- Wia petehk keneinei oh wia ripwoht me pid doupen wasahn nahk wet (MPA) ong Pwihn me wia wiliepe sang deke Pakin (PFMC).

8.2.3 Irehdi wiepen laihd kamwomw tehte kan

Doadoahngki soangen mehn laihd me duehte; uhk en laihd me mastik, kesik en pwong, sei lipwei oh longon ape. Soahng pwukat koaros wia kahpwal laud ong momour en paliesed. Soahngen mwekid pwukat pahn anahne souhnpar kei pwehn kak pwuralahng mahs..

Kousapw Pakin

- Pahn iang kakehlaka kosonned me inapwihdi soangen laid sohte mwahu.
- Iang sewese koasondi me inapwihdi soangen laihd me sohte mwahu ong deke Pakihn.

Pwihn en kaweid doadoahk

- Kaunopada kosonned me pahn inapwihdi soangen laid pwukat.
- Kaunopada teteht kaweid kan me pahn iang doare soangen laihd sohte mwahu kan.
- Kapehse teteht kaweid kan.

8.2.4 Koasonehdi wiepen sawas ohng laihd maslikin pahina

Pwehn kak apwapwalih oh katikala kahpwal en laid wiakau kan ohng audepen paliesed kan, tohn kousapw Pakin peki peki sawas en pwihn en kaweid doadoahk wet ahpw mehlele sawas en Office of Fisheries and Aquaculture (OFA) pwe ren kak sawas wiada ehu Paiau me kitail kalapw kahdaniki Pwohi pwe en kak wia mehn sawas ohng irail soun laid kan en Pakin oh wia kasikuhl ohng epwelpen Paiau wet oh wiepen soangen laid kan ohng tohn kousapw Pakin kan.

Tohn Kouson Pakin pahn:

- Pahn ehu ohng ohpis en OFA ohng wiawidahn Paiau wet.
- Sewese OFA iang rapahki sawas me pahn sang liki de ni ohpis teikan;
- Pilada irail souhn laid en Pakin me pahn iang sawas nan project wet;
- Sewese OFA ni ansou me paiau pahn kohdi.

Pwukoahn Pwihn en kaweid

- Rapahkida elen sent ohng doadoahk wet
- Ehu ohng Palih kan me kak sawas pwehn kak ale sawas ohng doadoahk wet.
- Wia kasikuhl de kaweid konehng kan ohng kohdi en paiau.kan.

8.2.5 Wiada doadoahk kan me kak kapidelong sent ohng tohn kouson.

Pwehn kak katikala wiepen doadoahngki wahn sehd me lap sang dahme kin anahn oh en kak kolokol epwel mwahu me pid mehn karoson, tohn deke Pakihn wiaier pekipek ong pwihn en pilan(Project Team) en kaweid wiepe konehng me pahn kak iang sawas de wiliandi cent me kin lohdi sang pali esed oh me kak doadoahk ong deke Pakihn. Iet ire kei me pahn sansal pah pahn wia mehn pesongsong ong ire me pekipe sang tohn Pakihn.

8.2.5.1 Pwurehng kamaurada netlahn mwangas

Pwihn en pilan (Project Team) anahne ehu ong ohpis me kin pwukoahki pali en mwangas, Pohnpei oh FSM pwehn kak kaweidada wiepe konehng kan me kak sewesehda netihla en mwangas. Pakin rekin mwangas oh karanih Pohnpei kak wia wasahn ale mwangas mwahu oh poatoapoat ong mehn netla.

Mie kaweid me sansal sang ekei tohn Pakihn me mwangas wia ehu elen sent mwahu ong tohn deke Pakihn, apw pil wia kahpwal pwehki pweinen mwangas sohte mwahu. Kahpwal en kisinieng, ilok ong wisik mwangas sang Pakihn ong Pohnpei.

Mehn peidaid wia kahpwal laud ong tohn deke Pakihn, tohn deke Pakihn wiaier ehu kaweid ong ohpis en wein Sokehs en ropada elen sawas akan sang ohpis kan me kak sawaski mehn peidaid pwehn kamwahuiala mwekid en seilok ong oh sang deke Pakihn Pil ehu wiepe me anahn, en kak wiawihda wasahn nekidala mwangas pohn deke Pakihn.

8.2.5.2 Kalaudehla oh kamwahuiala kamwer en Pwai.

Mehnda ma kamwer en Pwai wia doadoahk ieu me pahn wia mehn kasosohng. Tohn Pakihn kamelele me eh pahn kak keihnda ma doadoahk wet pahn pweida oh kak sewese kapidelong en sent. Mie netila en pwai wiawier mwowe nan pahr siluh samwalahr ko, kaweid ohng uwen mwohni me lohdi kan me inenen tititik.

Tihlapen sawas ohng doadoahk wet sang Japan, mwohni laud me doadoahk pwehki pweilaud irail semen oh dipwisouhn doadoahk me anahn. Mehn Pakin pahn kak pwaihnnda tehte kan me anahnepe mie ohng kamwer en pwai wet ma epahn mweimwei ong mehn Pakihn. Ohpis me kin pwukoahki paliesed (OFA) oh College of Micronesia pahn ropada elen kaweid kan ong irail me pwulopwul kan me iang katakatanga doadoahk wet oh ale kaweid pen netikihla oh ehu ong mehn liki. Sang ni koeik oh kaweid sang ekei dekehn Pacific kan kamelele me ong dipwisou me peipeida oh doadoahngki kilin pwai pil pahn konehng lih akan en deke Pakihn en iang doadoahngki.

8.2.5.3 Kakaihrada pwihk

Kakaihrada pwihk wia ehu doadoahk me kak wiawi pohn deke Pakin ma wiepe pahn kamwahula oh wie konehng uhd doadoahk. Sang ni ah sohte doadoahk me kak sawas oh wia elen kapidelong en sent, patehng metm, pil sohte ahsou mwahu en alehdi doadoahk me kak sewese kapidelong en sent kan, kakaihrada Pwihk kan kak en kamwahula pwehn kak wia doadoahk ieu me kak kahmwowe doadoahk kan me kak sewese kapidelong en sent me kak sewese tapiada katikala kahpwal akan ohng audepen paliesed.

Sang ni dahme kin wiewiawi ahsou wet ohng pweipweida en Pwihk sang peneinei oh kempokepahn irail tohn Pakin, wiepen doadoahk wet kak katehlapala pwehn kak sewese Hotel, imwen mwenge kan opil tohn kouson akan en kahlap en Pohnpei. Pwihn en doadoahk wet udahn pahn tehk wiepen doadoahk wet pwehn kak pweida oh ehu ohng palih kan me arail pwukoah kan pid ohng doadoahk wet pwehn ren kak sawas ohng kalelehki Island Community irehn kaweid oh soangen doadoahk kan me anahn.

8.2.5.4 Wiada mwetwel en peneinei.

Pwihn en doadoahk wet pahn ale kaweid sang Pwunso oh palih kan ohng wiawidahn mwetwel en peneinei kan me pahn poadok soangesoangen wahn sahpu kan. Met pahn sewese anahn en ieiasiki peihn sakatail kan oh epweldahn peihn sakatail kan.

8.2.5.5 Wiepen koakoeikihala tohn kouson me pahrekiong koeik en tohn kouson kan

Pwihn me pwukoahki doadoahk wet udahn pahn doadoahk patehng pali en Island Community oh Ohpis en Wehi oh patowanda kaweid konehng kan ohng koakoeikihala tohn kouson kan. Met me iangahki pwihn pwulopwul kan, pwihn en lih opil iangahki doadoahk kan me kak sewese kapidelong en sent ohng tohn kouson, epwel pen kepikipik kan oh program en roson mwahu kan.

9. Plan en mwohni en doadoahk kan

Pwihn kaweid ohng doadoahk wet pahn ehu ohng tohn kousapw Pakin oh ropada ohpis kan me kak sawaski sent oh sewesehki tohn kousapw wiepen peki sent me pahn tapiada dodohk kan me doadoahk kan me sansalehr nan Plan. Pwihn en kaweid wet pil pahn ehu ohng Kapworment en Pohnpei oh Kapworment lap pwehn pwe ren kak kapataieng doadoahk wet nan doadoahk kan me kin mi nan neirail mwohni en doadoahk kan ehu souhnpar ehu. Sawas oh pekipen kaweid en likih kan sang Palih kan sang nan Pacific opil pwihn en minimin kan nan Sampah pil pahn wiawi ohng sawas ohng doadoahk wet.

10. Petehk pen Plan ohng epwel pen Naniak

Plan ohng epwel pen Naniak pahn kin wiawi nan iraihr en souhnpwong weneuh koaros nan keieu en souhnpar riau kan mwurin kamanamanla en Plan wet. Petehk sapahl wet pahn doke doadoahk kan me tohn kousapw akan kapwaiadahr oh mwomwen doadoahk en irail Pwihn en sawas nan doadoahk wet.

11. Keimwisekla

Kosondi en epwel kan me pweidahr nan plan en doadoahk wet pahn anahne en kasalehda sawas akan ohng tohn Kousapw Pakin pwehn kapwaiada koasondi en epwel kan me kak poatopaat ohng audepen paliesed ohng ahnsou wet opil ohng dih en mwuhr kan. Kaweid oh sawas akan sang pwihn en kaweid ohng doadoahk wet, Palih torohr teikan pahn sewese epwel pwung ohng audepen paliesed kan, oh sewese wiawidahn plan en epwel torohr kei oh tapihada doadoahk kan me pahn kak sewese kapidelong en mwohni torohr ohng tohn Kousapw me kak wia ehu elen kapai torohr me sansalehr nan Plan en doadoahk wet.

Kousapw Pakin sohte kasik wahn doadoahk wet ohng ahnsou mwadang Pwihn en kaweid doadoahk wet wiada doadoahk wet pwehn kak sewese tohn Kousapw pwehn kak dapwin elen kapai kei me kak tikitikla sang ni arail pahn tapihada doadoahk wet. Wahn pweidahn doadoahk wet irail dih en mwuhr kan me pahn wia tohn Kousapw pakin me pahn paieki.



Plan en kamwakid

Koasondi kan	Doadoahk kan	Palih kan me pahn pwukoahki	Ahnsou me kesikpe me imwisekla	Irehn kaweid kan
8.1.1 Prokram en kaweid kan	• Kaunopda en tetehtn kasikuhl kan • Wiawidahn Poster oh sahn kan. • Kamwakid prokram en kasikuhl nan kouson oh katehlapahla ohng kampeihn ohng weipokon.	CSP, OFA, EPA CSP, OFA, EPA PFMC, SMG, OFA, CSP, EPA	Irairh en souhnpwong 4 Irairh en souhnpwong 6 Irairh en souhnpwong 12	
8.1.2 Seu itar en kakehlepen kosoned	• Tehk prokram en kakehlepen kosoned kan • Kaweid ohng kosoned akan me mie. • Kakehlaka wiepen kakehla kosoned akan en paliesed.	MCU/DLNR, OFA, EPA, AG EPA, OFA, PFMC, CSP PFMC, MCU/DLNR, OFA, SMG	Within 6 months Ongoing Ongoing	
8.1.3 Epwel pen kasamin	• Wiada wiepe mengei ohng wasahn kihd • Ropada oh katorehla wasahn kihd Pakin. • Wiada wiepen apwalih kasamin ohng Pakin • Ropada wasahn sawas en likih kan me kak sewese wasahn keshla kin oh epwel pan kasamin ohng Pakin.	EPA, PFMC EPA, OFA, PFMC, SMG EPA, PFMC, OFA, CSP EPA, CSP, SMG	Within 6 months Within 6 months Within 12 months Ongoing	
8.1.4 Effects of climate change	• Provide relevant information on climate change effects on the marine environment • Monitor changes	EPA, OFA, PFMC, CSP CSP, OFA, EPA	Ongoing Ongoing Ongoing	
8.2.1 Laihnd kamwomw tehte kan ohng audepen paliesed en Pakin	• Wiada by-laws pahn kaweid en Kapworment en en Pohnpei oh Weihn Sokehs. • Ropada elen sawas ohng akan ohng wiawidahn by-laws • Kihda kaweid ohng ahnsou en saihk ehu ehu songen wahn sehd kan. • Koasonehdi uwe me kak seiseida ohng ehu ehu songen wahn sehd kan • Kakehlaka audepen by-laws and koasondi kan uwe de size	PFMC, SMG, AG, OFA OFA OFA, PFMC, MCU/DLNR, CSP OFA, PFMC, MCU/DLNR, CSP	Within 12 months Ongoing Ongoing Ongoing	
8.2.2 wasahn nahk en paliesed	• Pilada wasa me pahn wia wasahn nahk en paliesed • Wiada koasondi kan ohng epwel pen wasahn nahk wet. • Kalohkihda ohng weipokon wasahn nahk en paliesed MPA wet. • Wiada prokram en kasikuhl kan. • Teteht oh kakehlaka koasondi kan ohng wasahn nahk en paliesed • MPA	PFMC, OFA, CSP OFA, PFMC OFA, CSP, PFMC, CMG, EPA OFA, CSP, PFMC, CMG, EPA OFA, MCU/DLNR, PFMC	Within 12 months Within 12 months Within 6 months Ongoing Ongoing	
8.2.3 Laihnd wiakau	• Kakehlaka kosoned en irehdi laihnd wiakau kan. • Wia prokram en kaweid de kasikuhl kan.	OFA, MCU/DLNR OFA, CSP, MCU/DLNR	Ongoing Ongoing	
8.2.4 doadoahk kan me kak sewese kapidelong en elen sent	• Pwurehng kamaourada netin mwangas • Kamwahuihala kamwer en Pwai. • Kakaihrada Pwihk ohng netla • Wiada mwetuel en peneinei. • Kakoatiehla tohn kouson kan.	OFA, CSP OFA OFA, PFMC	Within 12 months Within 12 months Ongoing	
8.2.5 Alternative sources of income	• Revitalize copra production • Improve pearl farming • Develop small-scale pig farming • Develop backyard agricultural • Capacity building	PFMC, SMG PFMC, OFA, SMG OFA, DLNR, OFA, PFMC PFMC All	Ongoing Ongoing Ongoing Ongoing Ongoing	

Kapatapat 1. Mwar en me towehda kasikuhl kan

	Men Ohl	Women Lih
1	Kasiano Artui	Akinis Linge
2	Samuel Wennio	Diana Taiwelyaro
3	Johnathan Zarred	Pornihka Zarred
4	Roman Linge	Domina Linge
5	Liberto Linge	Marselina Linge
6	Theodore Mark	Maria Artui
7	Ismael Linge	Makiri Defang
8	Diego Maipi	Martely Carl
9	Celino Taiwelyro	Anastasia Maipi
10	Larry Maipi	Sihna Mark
11	Siales Siales	Marsela Wenio
12	Nickolas Marko	Berdyna Siten
13	Harry Wennio	Joan Wenio
14	Mikael Apwong	Arleen Linge
15	Raymond Linge	Echimina Nennis
16	Samuel Mark	Echiwina Bernart
17	Joakim Defang	Perky Nennis
18	Justino Nennis	Jenny Molens
19	Fidiriko Nennis	
20	Simon Linge	
21	Antolin Eur	

Kapatapat 2: kileldi en ireh kan me alahldi

Rahn: March 11, 2009

Rahn: March 12, 2009

kuloak: 1330h–1900h

kuloak: 1300h–1900h

was: Pakin Elementary School

Souhn kaweid:

Donald David (OFA)

souhn kilelehdi:

Dave Mathias (MCU)

Marvin Ludrick (CSP)

Patterson Shed (CSP)

Eugene Joseph (CSP)

Charles Lohn (EPA)

Mariano Martin (Sokehs)

Orden Ohry (MCU)

Pelson Moses (OFA)

Souhn kaweid en liki: Etuati Ropeti (CSP)

Kedierekda kan	Poason en kahpwal	Me elehda kahpwal	Me kak wiawi	Doadoahk kan	Me pahn pwukoahki
- Malaula en mwahmw - Malaula en Wehi - Tohtola en kihd - COT outbreaks - Kihs malaula - Soused en liki - Seu itar en elen sen	Saminlahn Paliesed	Aramas en likih kan keshla kihd nansed - Sohp en laihd kan - Seu tiar en kaweid	Petehk pen en mehn likih kan arail doadoahk Kamwauihala prokram en kaweid kan ohng weipokon	Wiawidahn Sahn oh Poster ape Wia pokram en kaweid kan ni pwarek kouson kan oh kaweid ohng kisin pwihn de kouson akan	CSP & EPA Weihn Sokehs - Sahn oh poster Kuhn en Sikuhl - Sawas nan prokram en kaweid de kasikuhl kan
		Seu itar en kakehlep en kosoned kan me mie	- Kamwauihala kakehlep en kosoned kan me mie. - Kakehlaka kosoned en Pohnpei oh FSM ohng keshla kihd Sohpn kan	Kakehlaka kosoned kan me mie Tehk doadoahk en sohpn en laid kan ohng keshla kihd kan nansed	Weihn Sokehs - OFA, EPA - Congress/Legislature - MCU - Kapworment en FSM
		Kihd sang ni Sohpn kan oh kahlap en Pohnpei Kihd me peido pohn oarohr akan sang Pohnpei	Katikala keshla kihd nansed	Irehdi keshla kihd nansed	EPA, OFA, CSP - Soumas en kousapw k - Weihn Sokehs - Kapworment lap
		Sohte wasahn keshla kihd me konehng Sohte wasa me katorohrala ohng wasahn kihd	Wiada wasahn keshla kihd kan - Wiada plan en keshla kihd me mengei. - Katorehla wasa oh kihda sahn oh kileldi ohng wasahn kihd Pahn - Ale sawas en palih kan me kin pwukoahki.	- Katorehla wasahn kihd en Pahn oh ehu ihmwn kan - Wia kapeihn en kamwakel pohn Pahn - Kihda sohpn en wahsang kihd kan pohn Pahn ohng Pohnpei	Ehu ehu peneinei kan - Pwihn en lih en Pahn - Pwihn pulopwul oh sikuhl en Pahn - Minimin en kousapw Pahn - Kapworment en Pohnpei oh Sokehs - Kapworment lap en FSM

Laid wiakau	• Tohn laid kohsang Pohnpei • Laid en netla • Laid kamwomw tehte kan en uhk • Ohl te me kin laid mahs, met lih pil kin iang laid • Wiepen saihk menihke wiakau ...	• Kamwauhiala kosoned kan. • Ropada elen kapidelong torohr. • Ropada program me pahn sewese pwihn en lih • Wiada kosoned ohng saihk en mesen uhk • Tohn Pakin en peihn wiada arail kosondi ohng sais en sile/menihke me kak seiseida kan	• Wasahn nahk en paliesed – MPA • Tohn kouson kan pahn iang kakehlaka epwel pen wasah kan • Irehdi kesik en pwong mas likin paihna • Kapwurehda mwangas ohng netla • Kamwer en Pwai • Kihda kaskuhl ohng pwihn en lih • Wiawihdahn kosoned ohng saihk en mesen uhk • Wiada neihn Pakin koasondi ong Paliesed • En mie ansou en langada ohng saik sile duwehte wiepen apwalih sumwumw	• Kousapw Pakin, Kapwoment en Sokehs., Legislature, Ohpis en AG's, DLNR OFA, CSP • Kousapw, DLNR, lapalap akan en tiahk, Kapwoment en Sokehs, • Pwihn en alehda mwangas (Jonathan), SMG, OFA(EDA), kousapw • PCA, COM-Land Grant • SMG, SPC, Social Affairs, IFCP, PWA • kousapw, OFA, AG's office, CSP, DLNR, SMG • Kousapw • Kousapw, Ohpis en AG's, OFA, DLNR, CSP, SMG
Keirdahn pai en wehi	• Sohte elen kapai torohr likin laid • Sohte mehn peidaid mwangas ohng Pohnpei • Anahne kamwauhiala imwen mwangas • Men peidaid lahng pohn soh • Revolving fund (RF) sohite itar • Sohte itar \$\$ en apwalih tohn doadoak ohng kamwer en Pwai • Anahne en kokoatekihala tohn doadoah ohng kamwer en Pwai. • Seu itar en kadokodok pene nan pwungen tohn Pakin, PCA, oh COM-Land Grant • Dipwsou en doadoahk kan ohng kamwer en Pwai. • Sewese kekeudahn kelen Pwihk. • Mwohni en doadoahk sang (U&CF)	• Kapwurehda mwangas ohng netla • Epwel pen kamwer en Pwai ohng netla. P • Kisin likou en pekipek ohng Ohpis en Sokehs en sawaski mehn peidaid. • Anahnepen pwurehng poadok Nih. • Kasaulahn mwohni kan PCA. • Kalaudla RF pwehn kamwauhiala pweinen mwangas. • SMG en ehuh ong • Kapwoment en Pohnpei sawas mehn peidaid ohng mwangas. • Kaweid ohng kamwaulahn kamwer en Pwai sang PCA • Wisikdohn tehte en kamwer en Pwai. • Kamwauhialahn mwetwel ohng ieias mwahu. • Project en paiau (FAD)		

