



FSM

Ridge to Reef: Protecting Water Quality from Source to Sea

Progress Snapshot

Project Objective

Improvement of drinking water quality and significant reduction in pollutants entering the fresh and marine water around Pohnpei and Chuuk States



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Process

✓ National Strategy in place

Prior to project start FSM had no national strategy for water and sanitation. In March 2011 the FSM President and four State Governments endorsed a framework national policy and implementation strategy. The National Water Task Force is currently developing the strategy for endorsement by Congress in March 2013.

✓ Best IWRM and WUE approaches defined

Significant progress has been made in strengthening national coordination in the water and sanitation sector and to develop a National Water and Sanitation Policy and IWRM Plan. This was in part enabled via the conduct of a FSM National Water Summit on 22nd March 2011 during which the FSM President, State Governors, and a representative of the Nation's traditional leaders signed a joint resolution establishing a National Water Task Force and endorsing a Framework National Water and Sanitation Policy.

✓ Multi-sector APEX body established

In March 2011 the FSM President established the National Water Task Force as the lead body for coordination and planning for water and sanitation in the FSM. This Task Force is currently operational and addressing issues such as diagnostic reporting, policy development, and IWRM planning.



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National Water Task Force

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- Leerenson Airens
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- Eugene Joseph
Conservation Society of Pohnpei
- Hon. Ritis Heldart
Chuuk State Government
- Lucio Hallers
Chuuk Power and Utilities Corp.
- Brad Mori
Chuuk Partner
- Hon. Anthony Tareg
Yap State Government
- Charles Falmeyog
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- John Sohlith
Yap Government
- Hon. Carson Sigrah
Kosrae State Government
- Weston Luckymis
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- Norlin Livaie
Dept. Health & Sanitation
- Marion Henry
FSM Dept. of R and D
- Dickson Wichep
FSM, TC&I
- Moses Pretrick
FSM Health
- Peteriko Hairens
IWRM Project
- Esmond Moses
Pohnpei Utilities Corp.



President Emanuel Mori signing FSM's First National Framework Water and Sanitation Policy and Implementation Plan

Traditional Leader Iso Nahnken of Nett, Pohnpei Island endorsing FSM's IWRM Coordination Mechanisms and Framework IWRM Policy and Implementation Plan



FSM IWRM Demonstration
Project Video

<http://www.pacific-iwr.org/FSM-video.html>

Stress Reduction

✓ Increase in land protected and/or rehabilitated over the catchment

The target of the project is to have surface water declared as a reserve in Nett Watershed. Prior to the project, Nett district government leadership, traditional leaders and communities were not in support of the State sanctioned 1987 Watershed Forest Reserve Act.

Through the joint efforts of the IWRM process and partners, Nett Municipality has principally endorsed the establishment of its Watershed Forest Reserve to protect 1,700 hectares of pristine upland forest critical to resiliency of the Nanpil water as the main public water source for over 70% households connected to the public water utilities system.

✓ Sustainable forest and land management practices established and trialed with landowners

Sakau farmers in these forests are being proactively encouraged to stop farming activities that contribute to wildlife habitat loss and deforestation through partner CSP's "Grow Low" sakau initiative.

This campaign focused on educating farmers about the importance of the forest while demonstrating an economically practical and sustainable alternative to destructive upland sakau clearings. IWRM monitoring activities have identified a 70% reduction in prevalence of new upland sakau clearings.



The above map was produced by Nett Municipality and CSP with IWRM support, to aid ongoing legal discussions around the establishment of the Watershed Forest Reserve

Water Resource and Environmental Status

✓ Increase in population with access to a safe water supply

When the project began there was much uncertainty about pollutant sources and water quality. The project has since undertaken a baseline sanitation and pollutant assessment of 3 major river systems in Nett, covering over 10 miles from ridge to the Dausokele estuary.

All pollutant sources along the riverbanks were mapped, including at least 70 human and animal pollutant sources requiring remediation. The results of the sanitation and pollutant assessment were shared back to high-level state leadership and local governments through progressive education and awareness. Through a series of community engagements, public awareness on conditions of the water situation and challenges was increased.

Routine monitoring has been strengthened to ensure safety baselines are met and to inform efforts to remediate pollutant source sites. A security fence has been built around the Nanpil water intake by Pohnpei Utility Corporation to ensure condition of the water source and an educational hut to educate the public visitors to Nanpil Dam.



EPA and CSP project staff conducting water quality monitoring in Nanpil river.