



# anuatu

# Sustainable Management of the Sarakata Watershed

# **Progress Snapshot**

## **Project Objective**

Provide an operational network and mechanism to plan for and monitor all developments in the watershed that may affect the ecology, availability and quality of water and other natural resources in the Sarakata Watershed.



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#### **Process**

#### ✓ Multi sector APEX body established

In 2009 the Sanma Water Advisory Committee (SWAC) was re-established as the IWRM Steering Committee. This Committee includes departments such as Forestry, Fisheries, Agriculture and Livestock.



To assist the establishment of the Sarakata Basin Integrated Flood Management Plan, feasibility studies and Flood Hazard Maps were completed for flood prone areas. These studies incorporate early flood warning systems that provide at least one hour warning and processes for incorporating floodplains into planning regulations. It is envisaged that by the end of the project phase, Cabinet will endorse a Sarakata Flood Management Plan.

✓ Increased proportion of community engaged in water related issues

The Vanuatu IWRM has focused on working with different targeted community groups to participate in clean-up campaigns, composting toilet construction, forest replanting and the establishment of agriculture demonstration plots. Mass awareness campaigns have been successful with high numbers of community members attending inclusive of women's groups, Chiefs and elders of communities.

# ✓ Increased national staff across institutions with IWRM knowledge and experience

The project seeks to increase staff knowledge of IWRM through training and workshops. To complete previous work on a Water Demand Management project, the IWRM team brought in consultants from FSM to assist the Public Water Works (PWW) Team with the outstanding work. The activity helped the PWW team through theory and field training on installation and readings of flow meters and installation of Pressure Reducing Valves (PRV). This project has helped to build capacity among the PWW Team.



WWD 2012. Srakata River Clean Up



FSM consultant assisting the PWW Team with PRV installation



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**IWRM Steering Committee** 

Alsen Obed

Chairman

Dick Tomker Dept. of Forestry

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Peter Lulu Dept of Water

Rogatien Andre

Public Works Dept.

Ol: Day

Oli Ravo

Public Works Dept.

Keith Jacob

Rural Health

Philip Anaclet

Dept. of Environment

Phillip Banban

Dept. of Agriculture

Lemon Kalomar

Dept. of Forestry

Benual Tabi

Dept. of Lands

Gina Tari

Gilla la

Live and Learn

Prosper Buletare

Sanma Provincial Council

Yankee Wass

Agriculture Consultant

Erickson Sammy

Dept. of Water Resources

#### **Stress Reduction**

# √ 40% reduction in sewage pollution across the Sarakata Watershed

The Sarakata IWRM Demonstration project is located in the growing town of Luganville on the Island of Espiritu Santo where demand is high for resources, putting stress on the environment's ecology and biodiversity.

To reduce stress on water resources the project has constructed pilot composting toilets in the Solway and Pepsi areas of Sarakata. These areas have shallow ground water that are prone to pollution from pit latrines. As household managers women have been targeted in this pilot as being seen to influence behavior change in the family and community.

#### ✓ Sustainable Forest and Land Management practices established and trialed with Landowners and Leaseholders.

To increase the amount of land managed, rehabilitated and protected in the Sarakata Watershed, the Government of Vanuatu compensated 62.5 hectares of land for the protection of water source and the establishment of Water Protection Zones. In addition, more than 1000 hectares of upland catchment areas have been proposed for Conservation and Protected Areas and more than 20 hectares have been identified as priority for reforest rehabilitation.

Landowners have agreed to conservation areas, and there are three main conservation areas where Draft Management Plans have been established with the respective communities involved. These are in the process of being declared by the cabinet.

Nursery sites were identified and selected during open discussion workshops and have been established at a number of communities within the Watershed. Seedlings from the nurseries will be distributed to other communities and schools for planting when they are ready for transplanting.



Composting toilet in Solway



Participants potting planter bags for nursery site

### Water Resource and E



Construction of rainwater catchment at Butmas Community

Increase in population was In the first year of the project, baseling surveys and water quality testing Assessment is continuing on a qualithat there were pollutant sources downwater & Surface Water qualities were

Although none of the communities directly into the Sarakata River for V do not have a proper formal supply system to their household.









