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Ecosystem Based Management and Community Based Natural Resource Management

Integration of **Ecosystem Based**

Management (EBM) into Community

Based Natural Resource Management

(CBNRM) as conservation tools to:

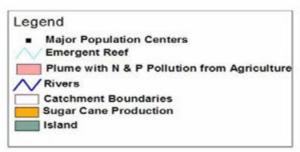
- ensure food security,
- build community resilience,
- > improve livelihoods

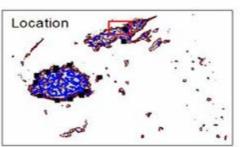




EXAMPLE OF LARGER AGRICULTURAL PLUME WITH HIGHER DISPERSAL CAPABILITY(C=3)









National Land Use Policies and Plans

- Fiji is a signatory to United Nations Convention to Combat Land
 Degradation and Desertification (UNCCD)
 - Fiji National Action Program.
 - Sustainable Land Use Planning.
- Fiji endorsed its National Rural Land Use Policy June, 2005.
- Environment Management Act, 2005
- Fiji Land Use Decree 2010
- Land Conservation and Improvement Act 1953 (under review)
- Forestry Decree
- Peoples Charter for Change, Progress and Prosperity
 - Pillar 5 (Achieving Higher Economic Growth while ensuring Sustainability)
 - Pillar 6 (Making more land available for productive and social purposes)



Sustainable Land Management

reduction of impact of land-based activities on rivers and marine ecosystems

through awareness, training and capacity building

Establishment of Land-

Care Network

Sustainable Land

Management (SLM)

Sustainable Forestry

Management (SFM)

- Animal husbandry
- Bee-farming
- Compost piggeries

Reforestation Programme Semi-organic/ organic farming **Forest Protected Areas** Community Nursery Establishment and Management Inter-cropping

use of chemicals and slash and burn

Reduce the

Use of vertivar grass and contour farming on slopes to reduce soil erosion

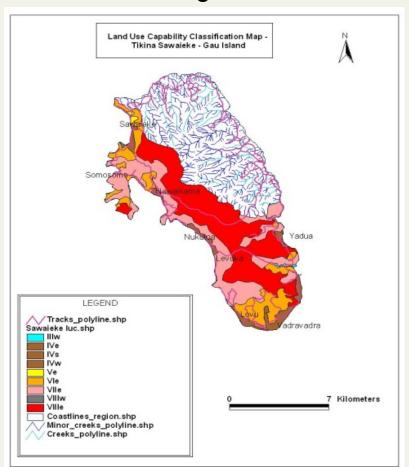
Agroforestry

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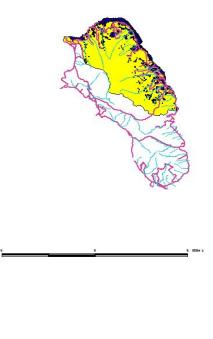
The Process for Community Based Land Care Network and Sustainable Land Use:

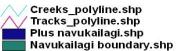
- Partnership with Department of Land Use & Planning
- Conduct Biophysical Survey
 - Determines Land Classification
 - Determines soil type
 - Forest Cover
 - Current land use
 - Land Use Capability
- This information will help communities make informed decisions on how to best make use of their land in a sustainable

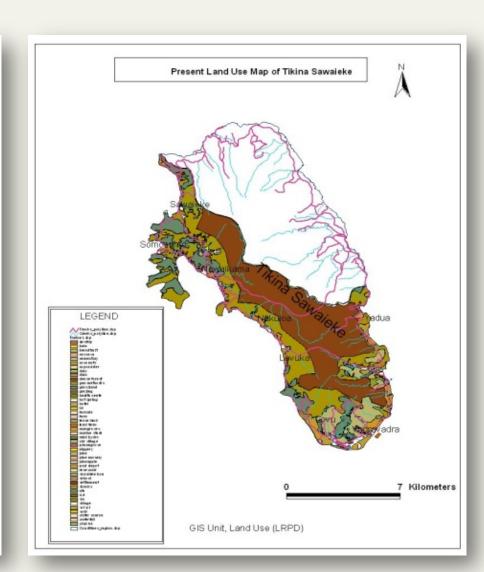


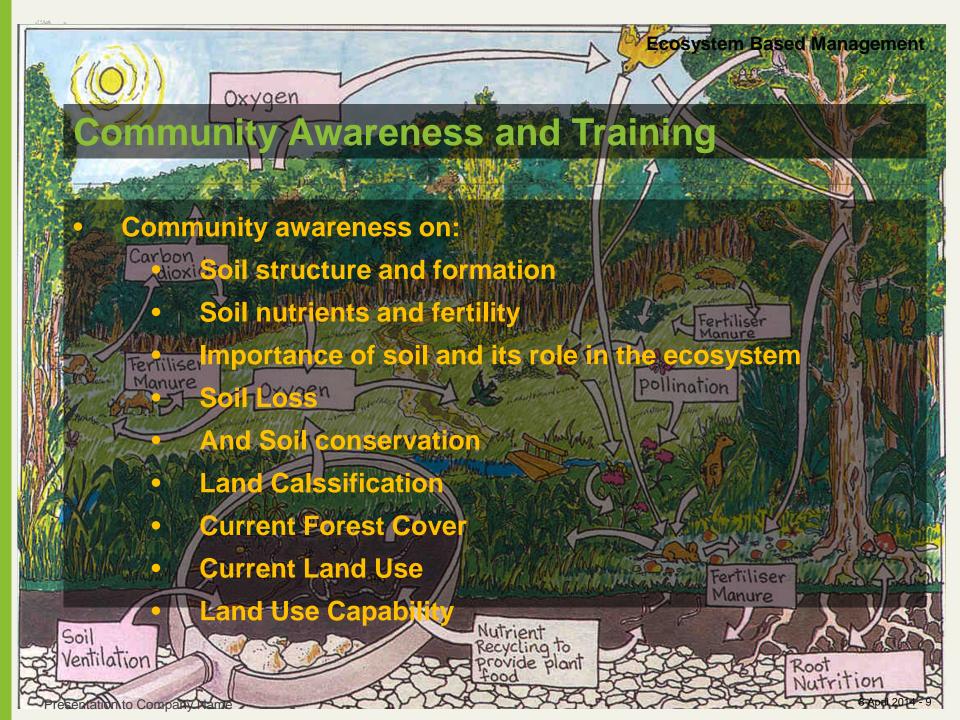


Present Land Use Map-Navukailagi and Vanuaso Tikina











Root Cause Analysis – Unsustainable Land Use Practices

- Community identify current unsustainable land use practices
- Determine how these practices
 affect their surrounding ecosystem
 from the ridges to the reefs
- Identify actions to be taken to reduce such impacts on their natural resources and ecosystems





Community SLM Model Farms – Practical Activity

- SLM Model farms were established to demonstrate sustainable agricultural practices:
 - Contour farming
 - Use of vertivar grass
 - Inter-cropping to improve soil fertility and reduce pests
 - Composting
 - Rehabilitation of riparian zones
 - Crop rotation
 - Organic and green manure
 - Agro-forestry















Establishment of Community Nurseries for Rehabilitation of Deforested Areas:

- Community Awareness on Forest Ecosystems
- Nursery Management, Seed collection and raising
- Rehabilitation of riparian zones and deforested areas with native and fruit trees and commercial species
- Alternative livelihoods
- Sustainable Forestry Management







Follow-Up work after training

- In partnership with Department of Agriculture
 - Transfer of technology to individual farms
 - Finalization of action plans for the District Land Care network
 - Reforestation programmes
 - Implementation, monitoring and evaluation of action plans





Thank you

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