



Land Use Planning and Climate Resilient Agriculture

**Capacity Building Workshop: Building Climate Resilient Agriculture in
Pacific SIDS**

Tanoa International Hotel: 09-11 August 2016

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- SPC-LRD supporting member countries to implement SRM: policy, legislative framework, technical and capacity building
- **Strategies to achieve resilient agriculture**
 - Promoting landscape management approach
 - Diversity of land use across the landscape to provide resilience
 - Promoting participatory land use planning process
 - Promoting Agroforestry
 - Capacity building
- Making farming activities less vulnerable to climate change- **SLM and SFM practices**
- Improving land use practices outside forest margins
- Outcomes: **sustainable production** in the long term with minimum environmental impacts
 - Selection of farming and cropping systems that are productive and **resilient to climate change**

Participatory land use planning

- **Land use assessment** (land use, soils, land capability/land classification, forest inventory, land tenure, topography, hydrology, soil-crop suitability)
 - biophysical, socio-economic factors
- **Mapping**- Use of spatial/GIS information
- Multi-stakeholder (negotiate priorities, share knowledge and resources)
- **Potential land use**
 - Resource potential
 - Involvement of communities, landowners
 - policies
 - Balancing development with conservation

Land Use Planning-Resilience Initiatives

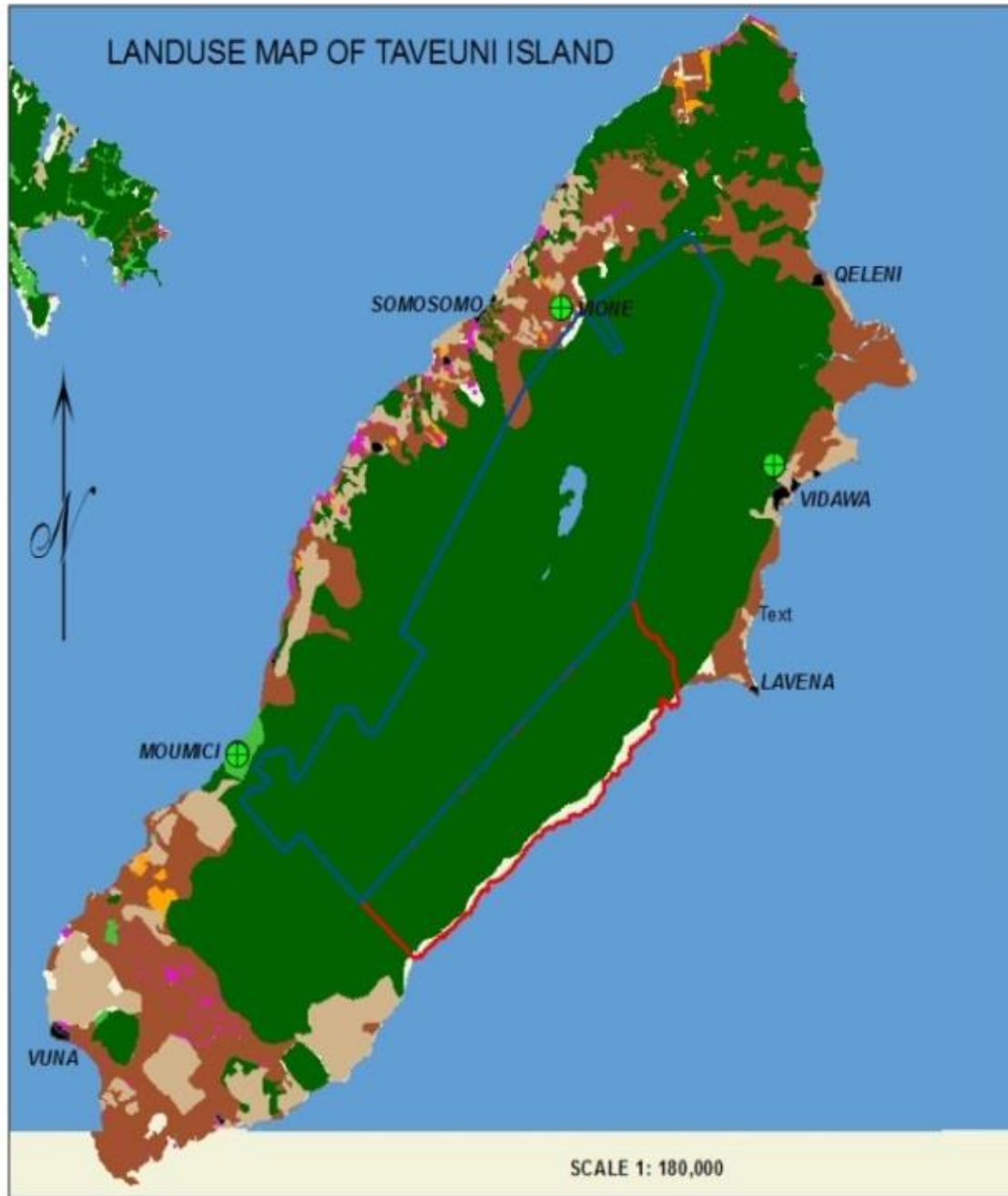
- Supporting adaptation of farming practices on **forest margins** (Fiji)
- **TC PAM recovery** (Vanuatu, Kiribati, Tuvalu, SI) and **TC Winston Recovery** (Fij)
- **Farming practices**; soil, water and nutrient management along with Agroforestry (AF), livestock, forest and landscape management techniques
- AF and tree crops increase the resilience of local communities by providing diversity of fruits, nuts , medicines, fuel and timber. Reduce soil erosion and helps store more carbon
- Diversity of land use across the landscape- reduce risk associated with eg pest and disease
- Establishment of **forest plantations or woodlots** improve ecological resilience in terms of watershed functions



SLM in Fiji's Forest Margins

**Protecting forest reserves and protected areas
(Taveuni, Delaikoro, Mt Tomaniivi)**

LANDUSE MAP OF TAVEUNI ISLAND



Legend

Class_Names

- Forest
- Mangrove
- Cultivated Land
- Grassland
- Sugarcane
- Shrubs
- Urban
- Settlement
- Bareland
- Pine Plantation
- Hardwood Plan:ation
- Coconut
- Non-Forest
- Water Bodies

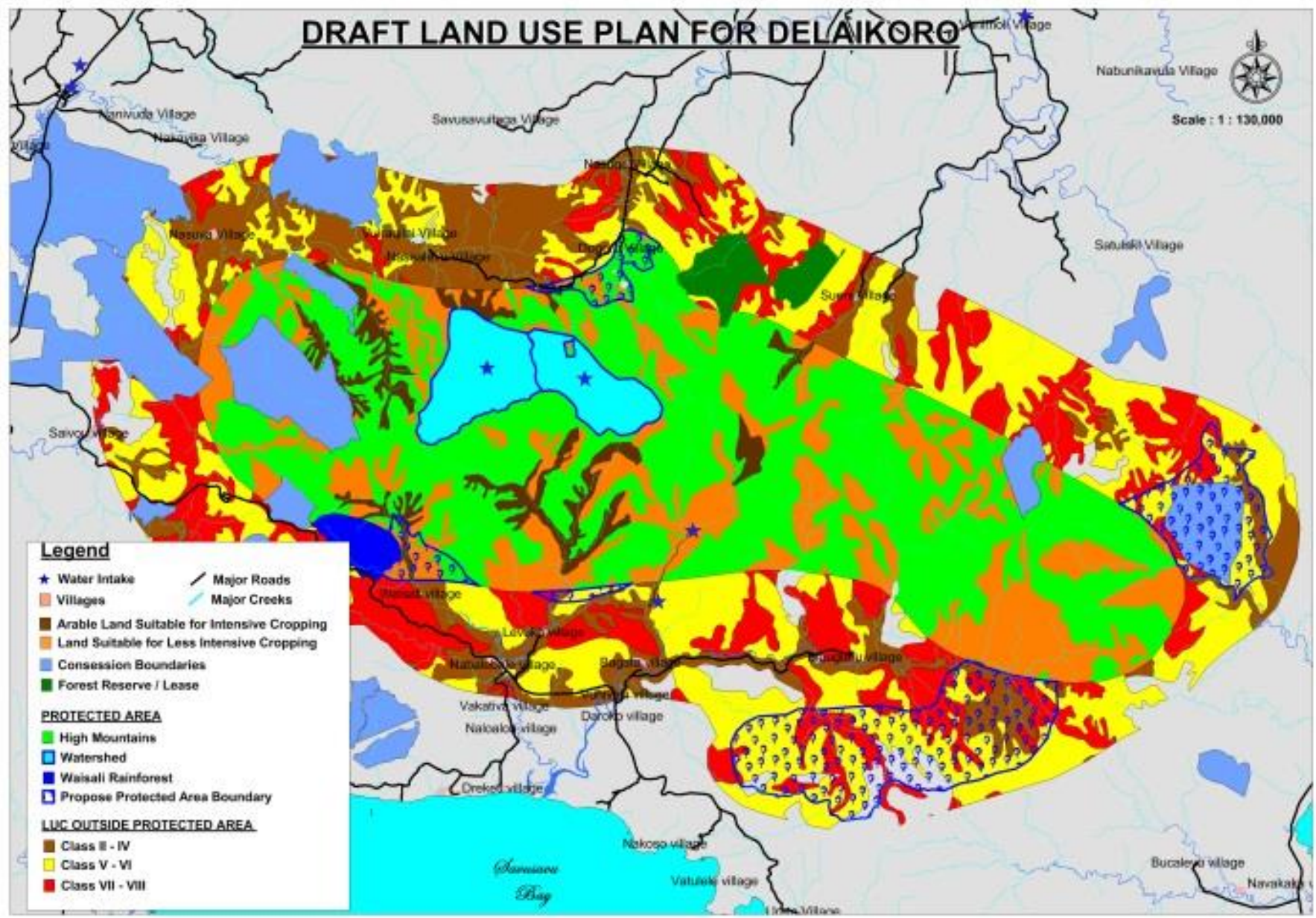
Legend

- Project_Site
- village_boundaries_region
- Taveuni Forest Reserve
- Ravilevu Nature Reserve

SCALE 1: 180,000



DRAFT LAND USE PLAN FOR DELAIKORO



Nabunikavula Village
Scale : 1 : 130,000

Legend

- ★ Water Intake
 - Major Roads
 - Villages
 - Major Creeks
 - Arable Land Suitable for Intensive Cropping
 - Land Suitable for Less Intensive Cropping
 - Consession Boundaries
 - Forest Reserve / Lease
- PROTECTED AREA**
- High Mountains
 - Watershed
 - Waisali Rainforest
 - Propose Protected Area Boundary
- LUC OUTSIDE PROTECTED AREA**
- Class II - IV
 - Class V - VI
 - Class VII - VIII



GEF PAS Project Site - Dogoru Village



Demo Farm - 1.29 hec
3000 Pineapple
2000 Dalo

Pine Plantation - 3.34 hec
3000 Pine

预览已结束，完整报告链接和二维码如下：

https://www.yunbaogao.cn/report/index/report?reportId=5_2583

