

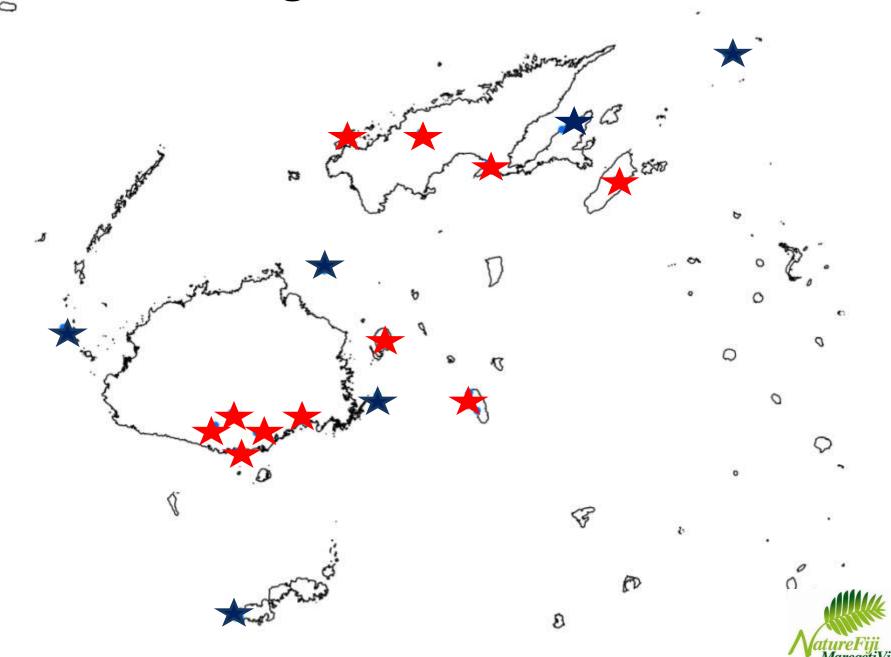
Ecosystem Adaptation: Perspectives from a Fijian terrestrial ecologist

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Delivering Conservation Action



Sustainable use and **conservation** of Fiji's **Endemic** and **Endangered**Fiji Sago Palm, *Metroxylon vitiense* with **Community engagement**through an **Endangered species recovery plan**





Conservatio



Serua Thrigby Provincial Hall Office Gardens







Saving the Endemic and Critically Endangered Fiji Petrel,

Pseudobulweria macgilivrayi, through an endangered species
recovery plan and innovative research methods with the local
communities on Gau Island







CRITICAL FO

FOREST

& BIRD

















Managing and Saving the Vulnerable Collared Petrel, Pterodoma brevipes, through innovative research methods and breeding colony management with local communities on Gau Island











Partnership for nature and people











FOREST



Community Resilience

- Recovery, resistance and restoration Building resilience on islands through invasive species preventions and management;
- 2. Challenges and opportunities for the International Partnership for the Satoyama Initiative (IPSI) from Pacific Perspectives;
- Ecosystem-based Adaptation A social, economic and ecological imperative in the Pacific Islands;
 Achieving internationally-agreed coral reef targets in the Pacific –
- 4. Achieving internationally-agreed coral reef targets in the Pacific –
 Partnerships to strengthen coral reef assessment and ecosystem
 service approaches for planning, management and financing;
- 5. Lessons from the Micronesia Challenge: Building an effective Climate Change Toolkit for community engagement using social marketing to build local support and ownership of key initiatives;
- 6. Experiences and perspectives from the AusAID SIDS Community-Based Adaptation (SIDS-CBA) programme implemented by GEF Small Grants Programme (GEF SGP); and
- 7. Finding new ways to reconcile conservation with deep sea mining.

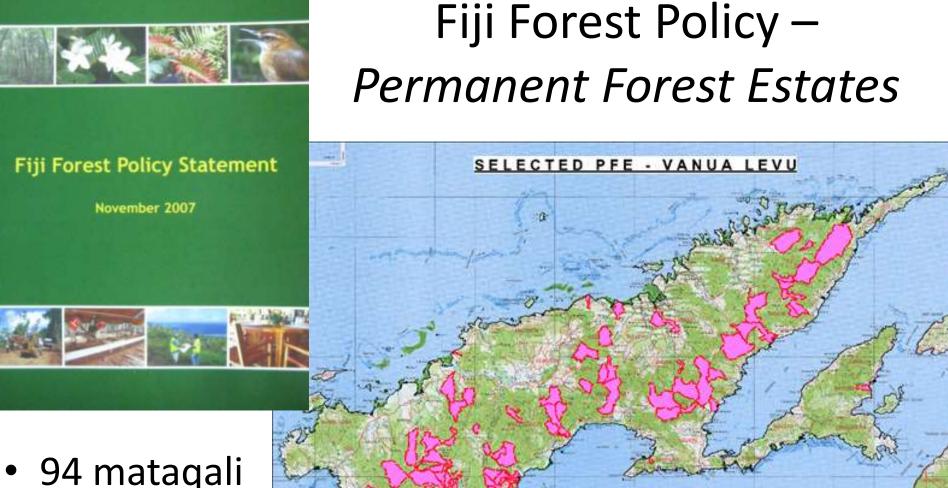
NATURAL SOLUTIONS: BUILDING RESILIENCE FOR A CHANGING PACIFIC

- Non- climate change issues
- Ecosystem based adaptation:
 - CBD: the use of biodiversity and ecosystem services to help people adapt to the adverse effects of climate change;
 - UNEP: the use of biodiversity and ecosystem services as part of an overall adaptation strategy to help people and communities adapt to the negative impacts of climate change at local, national, regional and global levels;
 - GEF & IUCN: the use of biodiversity as part of the overall adaptation strategy to help people adapt to adverse impact of climate change

(Nina Raasakka, UNEP)

Five key messages

- 1. Let us not make this a Climate change issue (locally)
- 2. Government Policies are key they must be relevant and applicable
- 3. Know our biodiversity, agro-diversity, ethno-diversity and the roles they play in our ecosystems
- 4. Consult the resource guardians/ users have a baseline of their understanding of ecosystem services and how they as resource users contribute to the abundance or scarcity of the ecosystem services and products
- 5. Review and implement the relevant policy

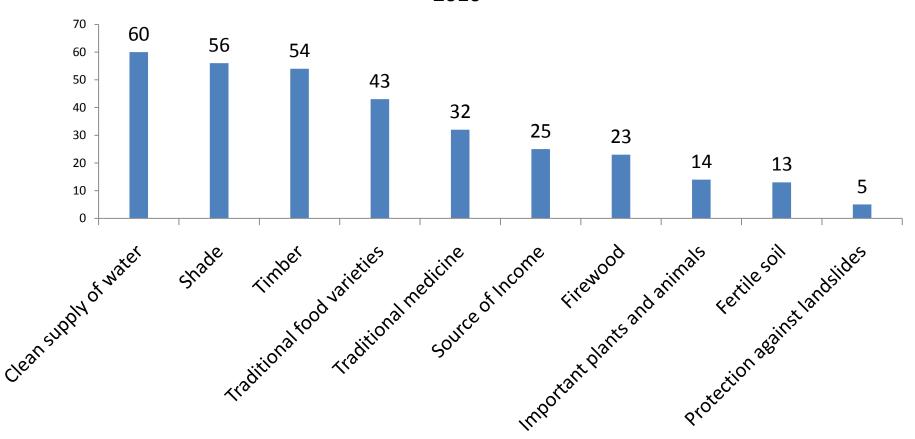


34 mataqan

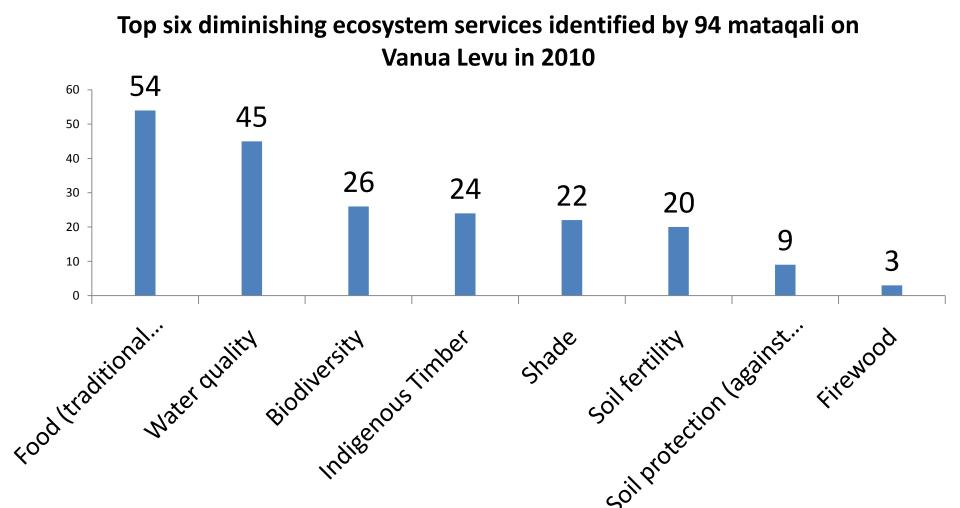
1. A Permanent Forest Cover including protected forest area network that provides the full range of ecological, economic and social functions at the local, national and global level (Fiji Forest Policy Section 3 page 19).

What are the top 5 free ecosystem services that your native forest provides for your community?

Ten forest ecosystem services identified by 94 mataqali on Vanua Levu in 2010

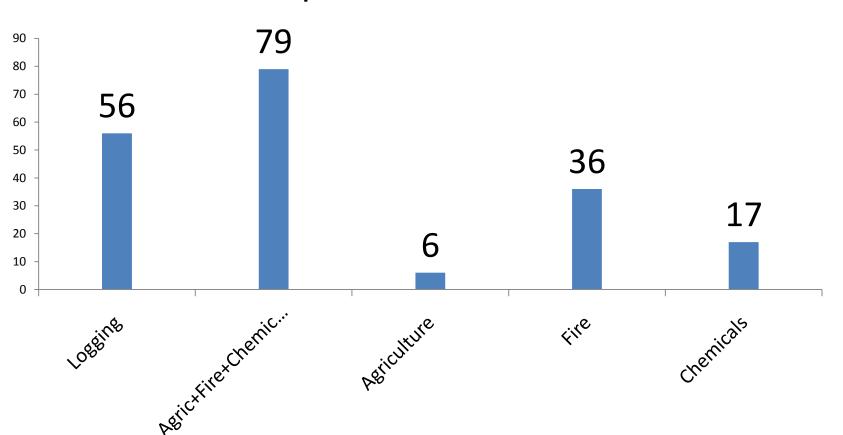


What are the top 5 free ecosystem services that are becoming scarce in your community?



How do you think your community has contributed to the scarcity of these free ecosystem services?

Top four causes of the loss of ecosystem services in 94 matagali on Vanua Levu in 2010











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Realising Fiji's dream: Working towards sustainable forest management for people, for nature, forever 2012 - Dec 2014









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Realising Fiji's dream: the value of Fiji's **Ecosystem** Services 2012 - Dec 2014







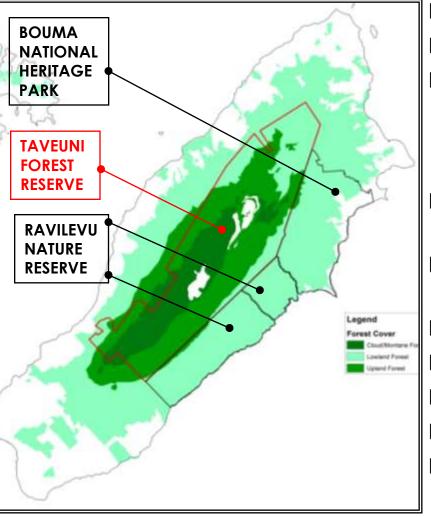
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Delivering sustainable forest management for Fiji's people and wildlife 2013 - March 2016

Department for Environment Food and Rural Affairs

Taveuni Island



- **1914** Taveuni Forest Reserve
- **1 1959** Ravilevu Nature Reserve
- **1980** − National Trust of Fiji (RNR + TNR)
- **□ 1988** Dept. Forests (RNR + TFR)
- □ 1991 Bouma National Heritage Park 1992 State of the Env. Report; National Env. Strategy for RNR + TFR as national priority PA
- **□ 1992 -** Deservation of parts of TFR with agric. encroachment
- ☐ **1993** Integrated Development Plan for Taveuni
- **□ 1999 -** NBSAP (2003 Cabinet)
- **2005** − Logging, agricultural encroachment
- **2006** − TFR, RNR Management Plan
- □ **2006** World Heritage Site report
- **2009** − Awareness campaign with all stakeholders on Taveuni's conservation value
- 2012 Taveuni National Park Project



Taveuni Fiji's Fertil<u>iser</u> Island

- \$20 million (2008)
- Unsustainable land use practices
- Diminishing soil fertility
- Illegal short-term agricultural leases
- Reserve encroachment
- "Teitei Taveuni"



Taveuni Fiji's Conservation Stronghold





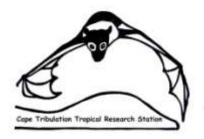


3 Key questions

- How do our current policies address ecosystem adaptation?
- What is the status of our Agricultural Policies?
- Whose interests are we serving?

Fiji's Biodiversity: My Identity, My Responsibility















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For quality of life

Pacific Conservation Development Trust British High Commission (Suva) Disney Wildlife Conservation Fund Thrigby Hall Gardens Pacific Invasives Learning Network Conservation International



Australian Aid Ministry of Indigenous Affairs

Department of iTaukei Language and Culture