

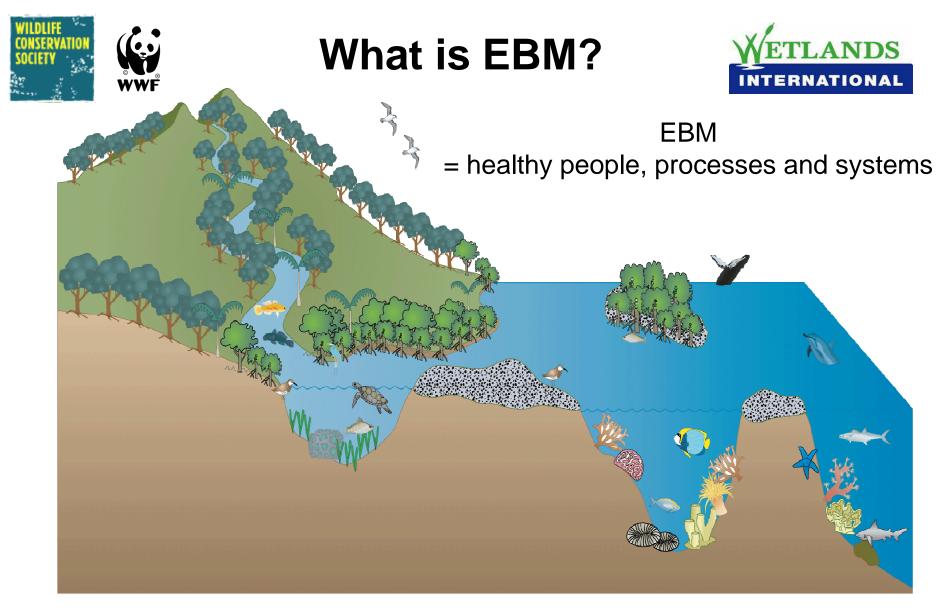


Overview

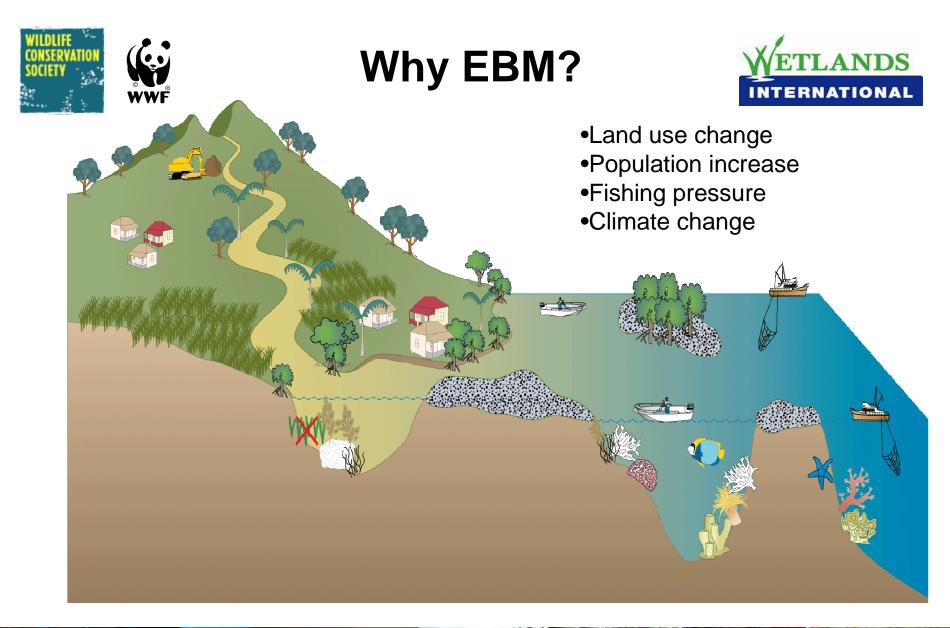


- What is Ecosystem Based Management (EBM)
- Why EBM?
- Communicating EBM
- Current Fiji EBM Sites
- Cornerstones of EBM
- Macuata Case Study
- Concluding note















Communicating EBM



Spreading the Word through Key Messages

- Inland and lowland communities need to manage resources together
 - Successful EBM relies on cross-sectoral planning & management
 - EBM protects habitats for all stages of life
 - Improving land practices and fishing practices will help protect natural resources
- Public health and livelihoods depend on environmental health





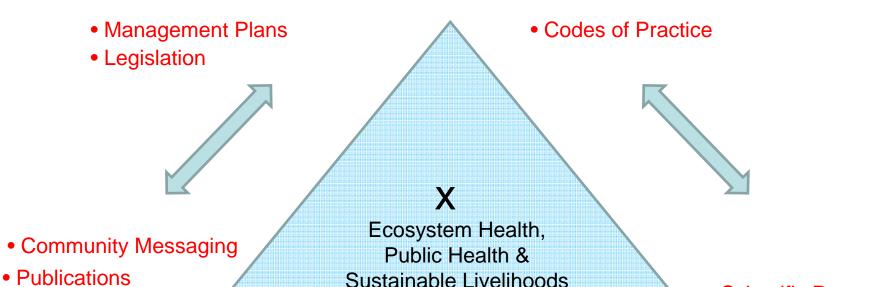


Successful EBM relies on cross-sectoral planning & management

Cornerstones of EBM



MANAGEMENT & POLICY



COMMUNICATION



DATA INPUT

Media

Reports

Traditional Knowledge

Scientific Research



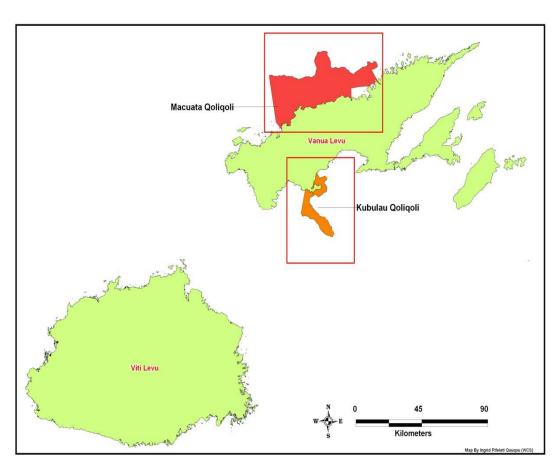


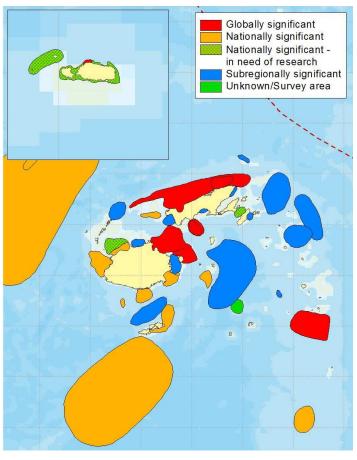


Successful EBM relies on cross-sectoral planning & management

Current Fiji EBM Sites















History

- Request to Fiji Local Marine Mananged Area (FLMMA) network through Institute of Applied Science at USP (Oct 2004)
- FLMMA Management Planning Workshop (Nov 2004)
 - 42 fishermen & traditional owners participated
 - Aged between 17 and 68 years
 - Been fishing between 3 and 48 years
 - 11 member FLMMA resource team



Macuata district chiefs discussing potential MPAs











MPA network vision: *Siga Damu a Vanua* - "even when the sun is setting- there is enough time to achieve our goal"; proposed 5 MPAs & 3 Forest reserves and saw the establishment of the MPA committee.

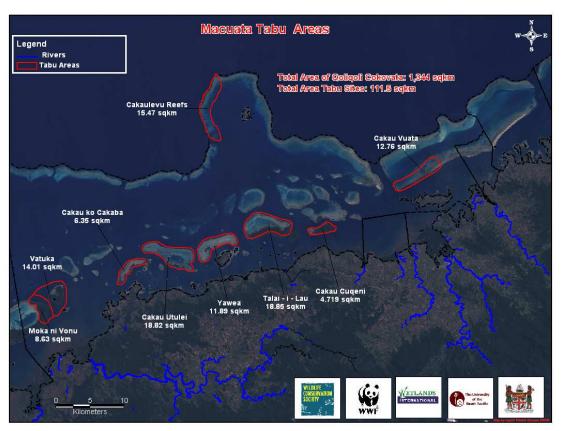








MPA Network Design

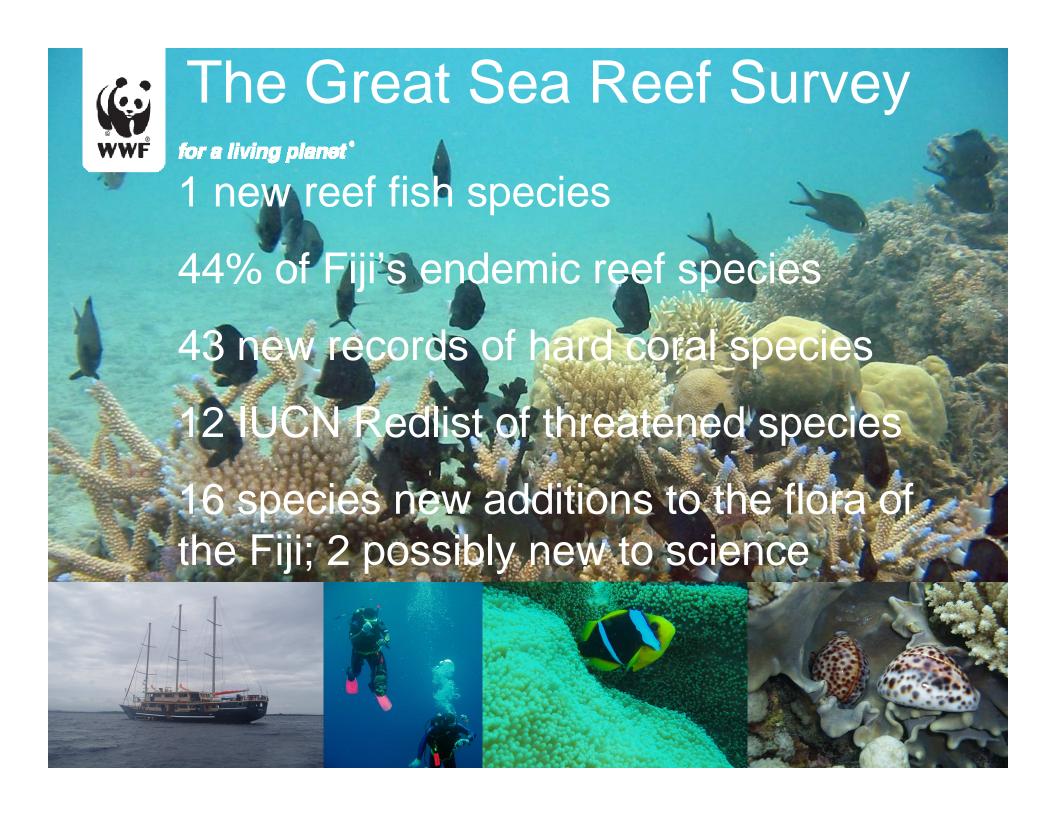


Excessive Fishing from:

- illegal fishing;
- net fishing (placing nets) overnight;
- use of fishing methods that take/destroy adult and young fishes alike (using plant poison, gas, night diving)







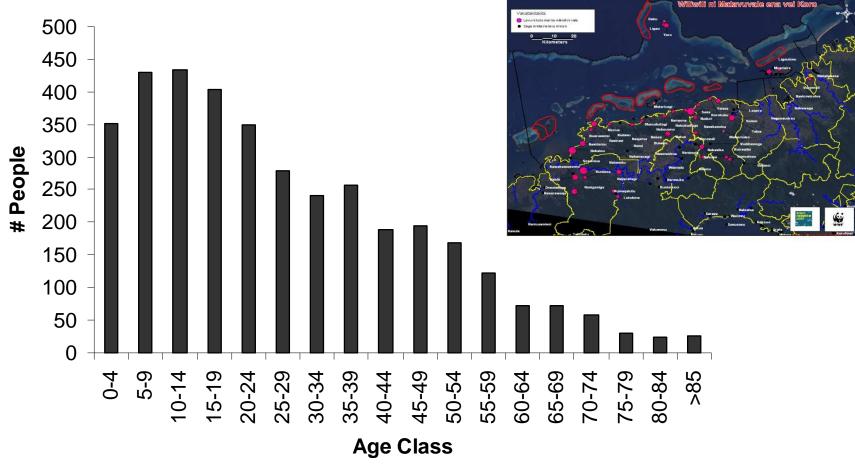




Successful EBM relies on cross-sectoral planning & management

Demographics







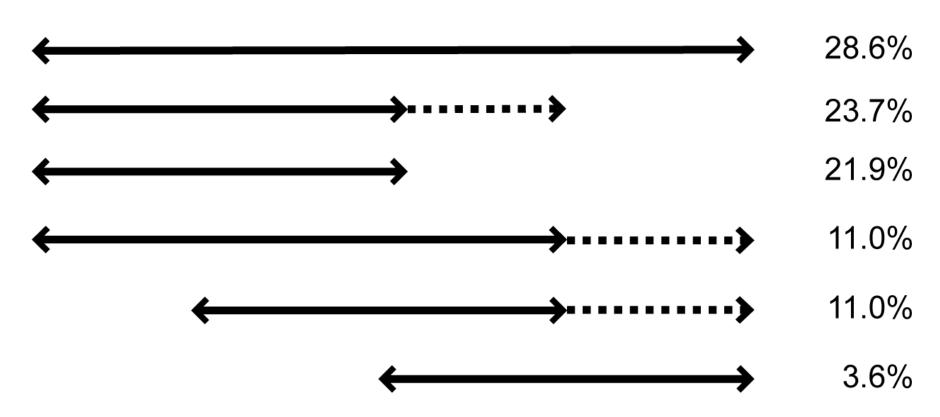




Connectivity



Marine Estuarine Low Fresh Mid Reach Headwaters





Synthesis Map

MPA Inverts

Open

access

Inverts MPA

Fish

Open

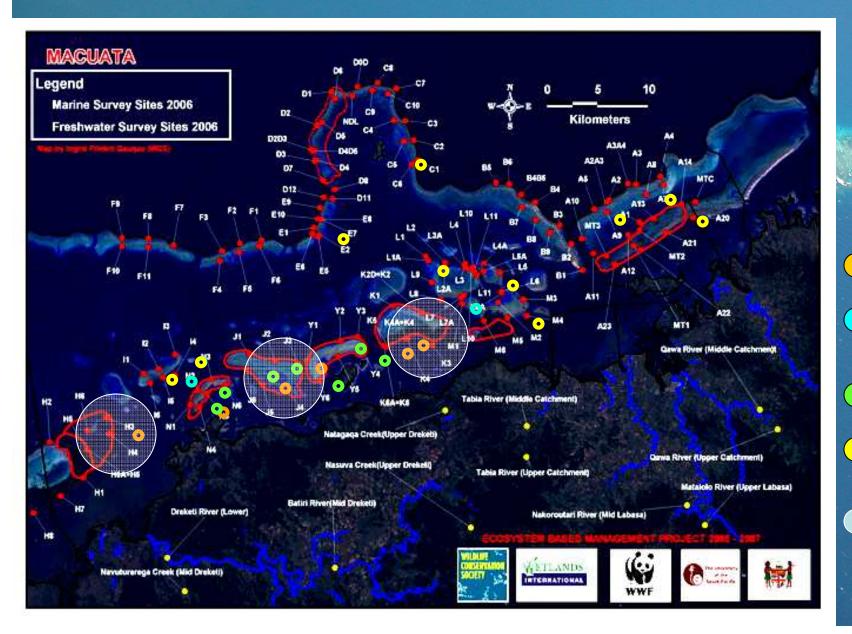
Fish

High

Coral Cover/

fish invert

access

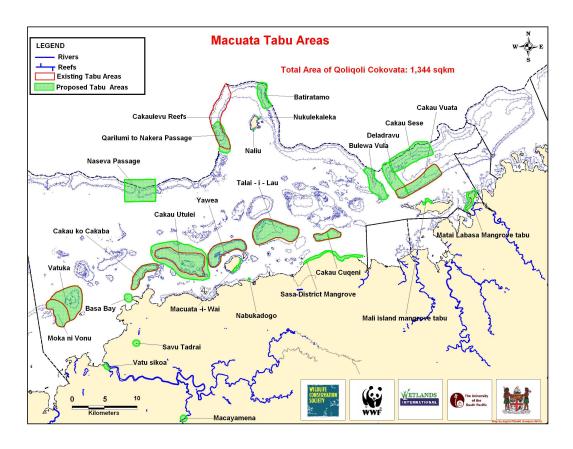








Proposed New PA network



Reconfiguration:

- protect biodiversity and ecosystem functions;
- Improve food security and livelihoods













Proposed New PA network

- Additional 12 new marine/mangrove protected areas
- Additional 1 new forest protected areas
- 1 freshwater Protected area
- •3 turtle nesting beaches to be protected
- Varying types of management / rules for different sites









Concluding Note

- Ecosystem scale science is showing clear need for cross-sectoral management.
- Traditional knowledge
- Science information
- Identifying a processes cost effective.
- Adaptive management









WWF- South Pacific

11 Ma'afu Street, Suva.

Phone: 3315 533

snavuku@wwfpacific.org.fj

Iheaps@wwfpacific.org.fj

Wildlife Conservation Society

Phone: 3315 533

mcallow@wsc.org

sjupiter@wcs.org

Wetlands International-Oceania

Phone: 3232 979

apjenkins@connect.com.fj

VINAKA VAKALEVU

