

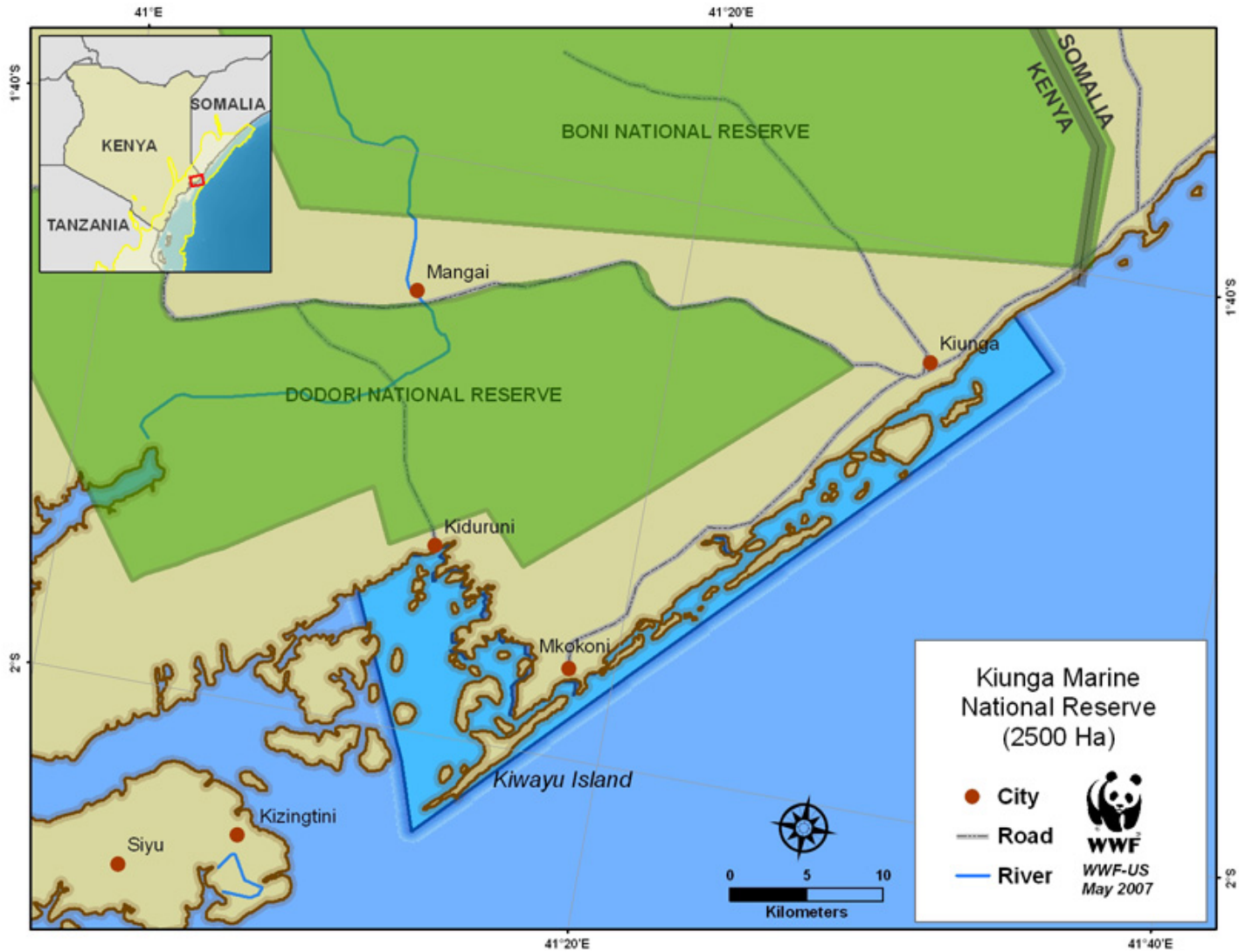
# **PHE Integration in Coastal Kenya: Lessons From the WWF Kiunga Marine National Reserve Conservation and Development Project , Lamu District, Kenya.**

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# Location





# Biological Characteristics

- Kiunga - National & Biosphere Reserve
- Marine Turtle Haven
- Hosts the largest breeding colony of roseate terns
- 67% mangrove biomass in Kenya
- Pristine coral reefs
- Feeding grounds for dugong
- Breeding ground for bill fish – the Northern Kenyan Banks





# Socio-Economic Characteristics

Lamu – World Heritage Site

Insecurity - proximity to Somalia

Logistical difficulties – no roads, high cost of operations

Inadequate access to basic health care services

Inadequate access to clean water

High level poverty

High Level illiteracy

High dependence on natural resources





# Threats

- Increasing demand for fish
- Unsustainable mangrove harvesting
- Use of illegal fishing nets
- By-catch of endangered species
- Oil & Gas exploration
- Poverty and poor food security
- High dependence on natural resources





# Integrated Approaches

Mobile clinics/outreach - generates goodwill and healthier community to manage resources





# Integrated Approaches

Improve health infrastructure





# Integrated Approaches

## Provide Safe Drinking Water







# Integrated Approaches

Train midwives in better delivery of reproductive health care



Safer delivery

Nutrition

Mother to child care

Family planning options

Benefits of smaller well cared for families





# Integrated Approaches

## Fishing gear exchange program

- improving quality of catch and income
- Reduce incidence of illegal gear
- Increase ecological health





# Integrated Approaches

## Beach Clean-ups

Maintain beach integrity & aesthetic appeal, save marine turtles,  
Provide income





# Integrated Approaches

## Flip Flop Art – Trash to Ca\$h





# Integrated Approaches

## Malaria Control

- Prevent mosquito breeding
- Provide tools for village clean up
- Provide bed-nets to expectant mothers & children <5yrs
- Household pest control





# Integrated Approaches

## HIV/AIDS Awareness

- Sensitize youth on implications of HIV infection
- Safe sex campaign
- Encourage dialogue on prevention of HIV infection
- Engage youth in fun conservation activities





## Achievements/Successes

### Increased Achievements of Conservation Goals

- Community more receptive to conservation message
- More than 10,000 turtle Hatchlings per year =
- 67% of nests reported by Community
- Higher number of youth volunteers

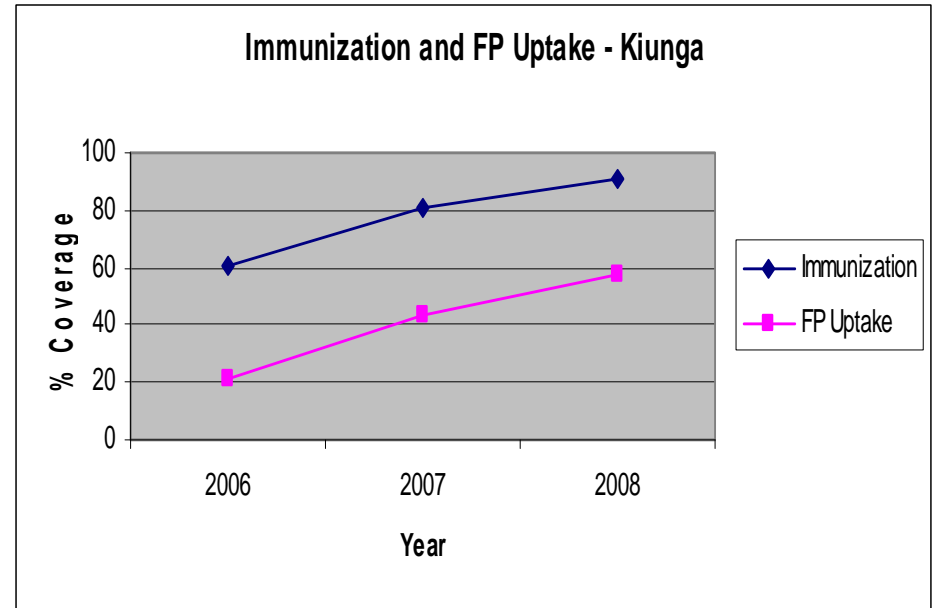




# Achievements/Successes

## Improved Health Care & Family Planning

- Increased Immunization coverage
- Increased up-take of FP services in a predominantly Islamic community
- Reduced incidence of Disease: Diarrhoea, malaria, Skin infections,







## Achievements/Successes

### Improved Livelihoods

- Flip-flop Art sales increased domestic income by US \$130 per month per participating household
- This money pays school fees, buys food, clothing and improves domestic life styles
- Increased active community

### Participation & advocacy in NRM

- Reduced disease incidence =  
More productive time & money  
Available for other needs





## Achievements/Successes

- Increased partnership base
- Increased project profile = donor base, funds
- Increased community support & good-will for the project
- Increased political support by local/civic leaders
- Project addresses all MDGs

Main message: Conservation is for and about you, the people.





## Lessons Learnt

- Integrate PHE during project planning
- Ensure partners understand their responsibility in the partnership – resources, activities
- Joint planning for field activities with partners is essential
- Need to integrate social skills in NRM/PHE (use of a sociologist to supplement ecological/project management skills)
- Integration of PHE work can help leverage more funds/resources for conservation
- Need to effectively communicate PHE linkages to policy makers and top-level management



Thank You

