# Reducing Encroachment into Udzungwa Mountains National Park, Tanzania

Preliminary Design Assessment: Options for Enhancing the Park Boundary and Developing an Ecological Buffer



# **PROJECT ORGANIZATION**

# **Design Concepts**

## **Sections**

- 1. Forward
- 2. Residential Encroachment
- 3. Public Lands
- 4. Agriculture
- 5. Recommendations

**Conditions Design Considerations** (Preliminary & Primary)

#### **RESIDENTIAL ENCROACHMENT**

#### **Conditions**

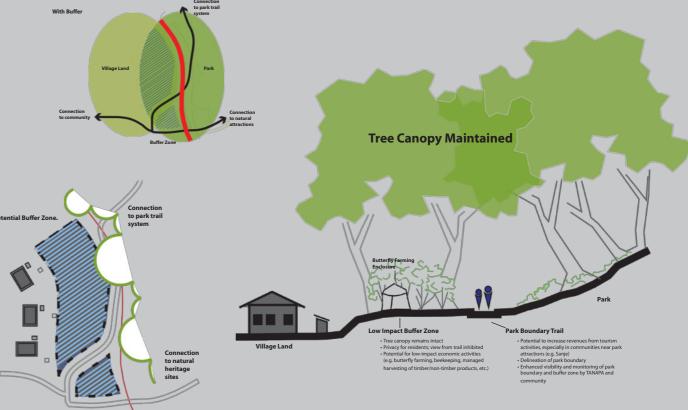
- Urbanization in villages
- Increasing land use conversion (residential, subsistence ag) •
- Expansion of commercial agriculture ٠
- Large number of economic immigrants
- Little or no room to expand except into UMNP •
- Direct threat to conservation





#### **Design Considerations**

- Lack of physical space
- Movement of established residences and structures undesirable even with economic reimbursement
- Balance socio-economic and conservation considerations •
- Negate or minimize land use conversion within present park • boundary
- Park boundary as economic resource
- Strengthen delineation of the park and village land
- Improving visibility and monitoring



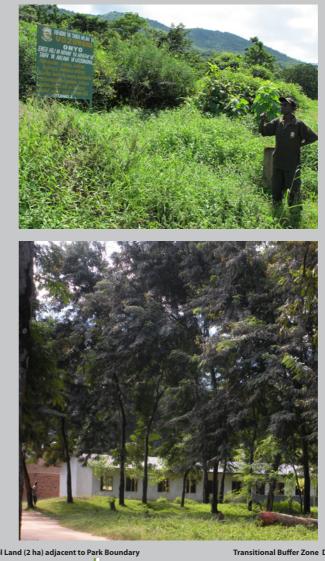
#### **PUBLIC LANDS**

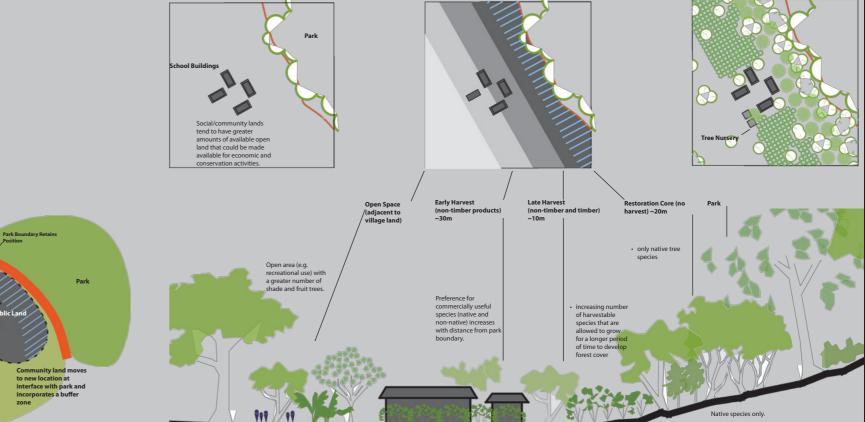
#### Conditions

- Growth in populations should coincide with growth in social services and infrastructure
- Land use conversion (e.g. roads, schools, hospitals/dinies, etc.).
- Public land is a highly regarded asset
- Stable and/or lower impact uses
- Higher potential for open space
- prior NGO SUCCESS

#### **Design Considerations**

- Creation of public parkboundary zone
- Community based resource management
- Schools and agroforestry
- Environmental education
- **Recreation** facilities
- **Covernment**/administrative







#### **AGRICULTURE**

#### **Conditions**

- Existing/maintained open space
- High economic value •
- Food security
- Human-wildlife conflicts



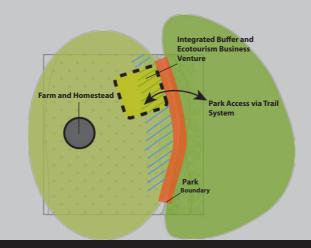


ad (4ha) Adiacent to Park

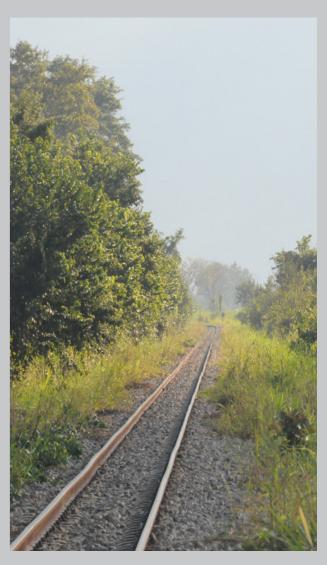
Conceptual Land Use Diagram

### **Design Considerations**

- **Development** potential (public lands, **tourism**)
- Buffers might not resolve human-wildlife conflicts •
- Crop selection/heterogeneity •
- Balance **conomigrealities** of production, marketing, and sale.
- Sustainable forestry







Conceptual Plan