

# TANZANIA LARGE UNGULATE CONSERVATION ACTION PLAN APRIL 2008

## Goal

### Improve current population status of threatened\* large ungulates and maintain populations of other large ungulate species

\* Nationally threatened species and subspecies are puku, oryx, gerenuk, lesser kudu, mountain reedbuck, eastern white bearded wildebeest. Note that of these species, all except puku and eastern white bearded wildebeest are not globally threatened.

#### 1 *Develop and implement strategies to promote coexistence of large ungulates with domestic animals outside protected areas*

- 1.1 Facilitate preparation and use of land use plans in 25% of relevant villages\*\* within 5 years
  - 1.1.1 Identify relevant villages\*\*
    - Actor: Wildlife Division, District Authorities, TANAPA
    - Timeline: 2 years
    - Indicator: List of identified villages
  - 1.1.2 Conduct surveys to establish village boundaries for those villages that are not surveyed
    - Actor: Ministry of lands, Wildlife Division, District Authorities
    - Timeline: 3 years
    - Indicator: Survey reports
  - 1.1.3 Conduct participatory workshops in the identified villages to obtain resource base inventory.
    - Actor: Wildlife Division, District Authorities
    - Timeline: 5 years
    - Indicator: Number of workshop conducted and baseline inventory reports
  - 1.1.4 Produce village land use maps
    - Actor: Wildlife Division, District Authorities, Ministry of lands
    - Timeline: 5 years
    - Indicator: Maps produced
  - 1.1.5 Produce land use plan
    - Actor: Wildlife Division, District Authorities
    - Timeline: 5 years
    - Indicator: Number of land use plans produced
  - 1.1.6 Facilitate implementation and enforcement of land use plan
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, NGOs
    - Timeline: 5 years
    - Indicator: Reduction in conflict, Number of villages implementing land use plan
- 1.2 Human-wildlife conflict management strategies in place in 50% of relevant villages\*\* within 5 years
  - 1.2.1 Conduct participatory workshops in the identified villages to identify human wildlife conflict type and suggest mitigation measures
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD
    - Timeline: 4 years
    - Indicator: Number of conducted workshops and reports produced
  - 1.2.2 Conduct workshop to prepare human wildlife conflict mitigation plans
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD
    - Timeline: 3 years
    - Indicator: Number of workshops conducted, reports and plans produced

- 1.2.3 Facilitate implementation of conflict management plan  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 5 years  
Indicator: Number of implemented plans
- 1.3 Human-wildlife-livestock disease management strategies in place in 40% of relevant villages\*\* within 4 years
  - 1.3.1 Identify important human-wildlife-livestock diseases (zoonotics)  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD, Ministry of Livestock and Fisheries  
Timeline: 2 year  
Indicator: List of diseases identified
  - 1.3.2 Conduct workshop to prepare human-wildlife-livestock disease management plans  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 3 years  
Indicator: Plans produced
  - 1.3.3 Facilitate implementation of human-wildlife-livestock disease management plans  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 5 years  
Indicator: Number of implemented plans, reduction of zoonotic diseases
- 1.4 Develop and implement sensitization programs to facilitate coexistence with large ungulates in 40% of relevant villages\*\* within 5 years
  - 1.4.1 Conduct meeting to raise awareness  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 3 years  
Indicator: Number of meetings conducted
  - 1.4.2 Prepare and disseminate information on coexistence through mass media programmes  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 4 years  
Indicator: Number of disseminated programmes
  - 1.4.3 Prepare and distribute environmental educational materials such as posters, leaflets, newsletters  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 4 years  
Indicator: Number of Produced and disseminated materials
- 1.5 Alternative livelihoods to facilitate coexistence in priority areas in place within 5 years
  - 1.5.1 Conduct workshop to identify alternative livelihood activities  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 2 years  
Indicator: Workshop reports
  - 1.5.2 Support the implementation of prioritized income generating activities, including marketing  
Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD  
Timeline: 5 years  
Indicator: Number of income generating activities established

\*\* Relevant villages are the 50 villages bordering protected areas experiencing the highest levels of conflict

- 2 *Promote sustainable legal hunting whilst minimizing illegal hunting*
  - 2.1 Alternative livelihood programmes to minimize illegal hunting in priority areas in place within 5 years
    - 2.1.1 Conduct workshop to identify alternative livelihood activities for minimizing illegal hunting
      - Actor: Wildlife Division, District Authorities, TANAPA
      - Timeline: 2 years
      - Indicator: Number of workshop reports
    - 2.1.2 Support the implementation of prioritized income generating livelihood activities, including marketing
      - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD
      - Timeline: 5 years
      - Indicator: Number of livelihood activities supported
  - 2.2 Improve the compliance and enforcement of hunting legislation within the next 5 years.
    - 2.2.1 Consult relevant different stakeholders to identify gaps
      - Actor: Wildlife Division
      - Timeline: 2 years
      - Indicator: Consultancy report
    - 2.2.2 Raise awareness among relevant stakeholders
      - Actor: Wildlife Division
      - Timeline: 5 years
      - Indicator: Number of awareness raising meetings held
  - 2.3 Ensure that timely reliable wildlife census data is available and used to inform the setting of utilization quotas.
    - 2.3.1 Conduct regular wildlife censuses to inform quota setting
      - Actor: Wildlife Division, TANAPA, NCAA, TAWIRI
      - Timeline: 5 years
      - Indicator: Number of censuses
    - 2.3.2 Provide refresher courses to census crew to ensure the provision of accurate data
      - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI
      - Timeline: 5 years
      - Indicator: Number of training reports
    - 2.3.3 Monitor compliance with allocated quotas
      - Actor: Wildlife Division, TAWIRI
      - Timeline: 5 years
      - Indicator: Number of evaluation reports produced
  - 2.4 Decrease illegal hunting by 50%, particularly in the northern part of the country, within the next 5 years
    - 2.4.1 Intensify anti poaching patrols in areas with highest incidences of illegal hunting
      - Actor: Wildlife Division, District Authorities, TANAPA, NCAA
      - Timeline: 5 years
      - Indicator: Number of patrols conducted
    - 2.4.2 Conduct public awareness campaigns against illegal hunting
      - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD
      - Timeline: 5 years
      - Indicator: Number of awareness fora conducted
    - 2.4.3 Collaborate with village authorities to combat illegal hunting (e.g. through village game scouts)
      - Actor: Wildlife Division, District Authorities, TANAPA, NCAA
      - Timeline: 5 years
      - Indicator: Number of collaborative consultations

- 2.4.4 Establish more WMAs
  - Actor: Wildlife Division
  - Timeline: 5 years
  - Indicator: Number of new WMAs established
- 2.5 Equitable sharing of benefits accrued from large ungulate utilization increased by 25% from the current status within the next 4 years
  - 2.5.1 Review existing benefit sharing mechanisms
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, FBD
    - Timeline: 3 years
    - Indicator: Number of reviews
  - 2.5.2 Develop benefit sharing mechanisms based on above (2.5.1)
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, FBD
    - Timeline: 4 years
    - Indicator: Number of benefit sharing mechanisms developed
  - 2.5.3 Implement benefit sharing mechanisms
    - Actor: Wildlife Division, District Authorities, TANAPA, NCAA, TAWIRI, FBD
    - Timeline: 5 years
    - Indicator: Number of benefit sharing mechanism implemented
- 3 *Strengthen institutional capacity including local communities to conserve large ungulates in collaboration with stakeholders*
  - 3.1 Local community capacity to conserve large ungulates improved by at least 50% within the next 5 years
    - 3.1.1 Improve the capacity of existing, and new, WMAs, through training, technical assistance, provision of equipment and facilitation of private investment.
      - Timeline: 5 years
      - Actor: NRIs, NGOs, Development partners, TATO, TAHOA
      - Indicator: Number of workshops held with reports kept on file, Inventories of new equipment, Number of new game scouts trained and operating.
    - 3.1.2 Increase private sector benefits to local communities on the border of protected areas outside WMAs by 50%
      - Timeline: 5 years
      - Actor: NGO's, TATO, TAHOA, NRIs
      - Indicator: Increased wildlife related revenues in village accounts
- 4 *Improve and harmonise existing policies and legislation, and develop new policies and legislation that promote large ungulate conservation.*
  - 4.1 Identify and address shortcomings in all policies and legislation relevant to large ungulate conservation within 3 years.
    - 4.1.1 Produce a review document in English and Swahili of all wildlife and land use legislation and its impact on large ungulate conservation.
      - Timeline: 3 years
      - Actor: NGO or GO e.g. WWF or GTZ
      - Indicator: Review document produced
    - 4.1.2 Circulate draft review document to relevant stakeholders for comment
      - Timeline: 3 ½ years
      - Actor: NGO or GO e.g. WWF or GTZ
      - Indicator: Review document returned with comments
    - 4.1.3 Circulate final document with stakeholder comments to all relevant stakeholders
      - Timeline: 4 years
      - Actor: NGO or GO e.g. WWF or GTZ
      - Indicator: Edited document printed and circulated

- 4.2 Identify large ungulate migration corridors and dispersal areas and ensure they are addressed by legislation.
  - 4.2.1 Collect information and map all important large ungulate migration corridors in Tanzania
    - Timeline: 3 years
    - Actor: All NRIs with TAWIRI leading
    - Indicator: Document detailing large ungulate migration corridors produced
  - 4.2.2 Present information on all major large ungulate migration corridors to relevant stakeholders.
    - Timeline: 3 ½ years
    - Actor: TAWIRI
    - Indicator: Documents distributed to all stakeholders
  - 4.2.3 Prepare by-laws specific to wildlife corridors for relevant districts.
    - Timeline: 5 years
    - Actor: Districts, WD, wildlife NGOs
    - Indicator: By-laws specific to wildlife corridors produced
  
- 5 *Ensure effective implementation of both existing, and new, policies and legislation that affects large ungulate conservation.*
  - 5.1 Ensure transfer of information relevant to existing, and new, policies and legislation between stakeholders, including local communities within 5 years.
    - 5.1.1 Produce booklets in English and Swahili that highlight key elements of existing legislation relevant to large ungulate conservation
      - Timeline: 3 years
      - Actor: NGO or GO e.g WWF or GTZ
      - Indicator: Booklets produced
  - 5.2 Strengthen management capacity of natural resource institutions to implement policies and legislation to sustainably manage large ungulate populations within 5 years
    - 5.2.1 Complete a training and resource needs assessment of the relevant institutions.
      - Timeline: 1 year
      - Actor: NRIs
      - Indicator: Workshop or consultant report produced
    - 5.2.2 Document resource and training needs against large ungulate national action plan outputs.
      - Timeline: 3 years
      - Actor: NRI consultant
      - Indicator: Document produced
    - 5.2.3 Use document in 5.2.2 to facilitate fund raising to address ungulate conservation needs.
      - Timeline: 5 years
      - Actor: NRIs
      - Indicator: Proposal submitted to funding agencies, funds received for ungulate conservation
  - 5.3 Ensure all influential stakeholder groups\*\*\* are aware of the status of nationally threatened ungulate species within 3 years.
    - 5.3.1 Disseminate information about threatened ungulate species to stakeholder groups, including members of parliament, through workshops, presentations, distribution of National Action Plan etc.
      - Timeline: Ongoing
      - Actor: NRIs, wildlife NGOs eg WWF, WCS, AWF, FZS
      - Indicator: Workshop reports, minutes of meetings, National Action Plan distributed to all key offices

- 5.3.2 Make use of the national environmental day to raise awareness about ungulate conservation  
 Timeline: Ongoing  
 Actor: NRIs, Malihai clubs, Wildlife NGOs  
 Indicator: Number of articles appearing in wildlife magazines and national press

\*\*\* influential stakeholder groups are those who have the potential to have a major influence on the conservation of threatened ungulates.

6 *Promote large ungulate research and provide timely scientific information on issues affecting their conservation to stakeholders*

- 6.1 Identify and prioritise large ungulate research gaps and implement research to address them within 5 years.
- 6.1.1 Identify research gaps and prioritise and disseminate large ungulate research needs.  
 Timeline: 2 years  
 Actor: TAWIRI  
 Indicator: Document detailing research needs produced
- 6.1.2 Identify institutions and organisations to fund national ungulate research priorities and raise funds  
 Timeline: 4 years  
 Actor: TAWIRI leading  
 Indicator: List of funding agencies identified and made available
- 6.1.3 Identify and approach individuals and institutions to conduct research  
 Timeline: 5 years  
 Actor: TAWIRI  
 Indicator: Research targeting ungulate priorities implemented
- 6.2 Coordinate large ungulate research and information dissemination among natural resource and higher learning institutions, and other stakeholders within 5 years.
- 6.2.1 Collate information and publicise (e.g. on website) large ungulate research activities taking place across Tanzania  
 Timeline: Ongoing  
 Actor: TAWIRI  
 Indicator: Easily accessible document available detailing ongoing ungulate research
- 6.2.2 Establish central large ungulate research database  
 Timeline: Ongoing  
 Actor: TAWIRI (TMAP, CIMU)  
 Indicator: Functional database
- 6.2.3 Annually incorporate relevant research findings into central database  
 Timeline: Ongoing  
 Actor: TAWIRI  
 Indicator: Up to date database
- 6.2.4 Prepare proceedings of large ungulate research  
 Timeline: 4 years  
 Actor: TAWIRI with funds from Wildlife NGOs  
 Indicator: Proceedings produced

**Glossary**

AWF – African Wildlife Foundation

CIMU – Conservation Information and Monitoring Unit

FBD – Forestry and Beekeeping Division

FZS – Frankfurt Zoological Society  
GO – Governmental Organisation  
NCAA – Ngorongoro Conservation Area Authority  
NGO – Non governmental organization  
NRI – Natural Resource Institution – includes TAWIRI, TANAPA, WD, FBD etc.  
TAHOA – Tanzanian Hunting Operators Association  
TANAPA – Tanzania National Parks  
TATO – Tanzanian Association of Tour Operators  
TAWIRI – Tanzania Wildlife Research Institute  
TMAP – Tanzania Mammal Atlas Project  
WCS – Wildlife Conservation Society  
WD – Wildlife Division  
WMA – Wildlife Management Area  
WWF – World Wide Fund for Nature