

Conservation Action Plan for the Conservation of Small Ungulates, Aardvarks and Pangolins in Tanzania

SUAP – Small ungulates, aardvarks and pangolins.

Goal

By 2015, the current conservation status and habitat of threatened* small ungulates, aardvark and pangolins improved and the status of non threatened species maintained

***Nationally threatened species are Abbotts duiker, Aders duiker, ground pangolin, giant pangolin, tree pangolin, sitatunga**

1. Illegal hunting and over harvesting of SUAP reduced

1.1 Incidences of illegal hunting of SUAP reduced by 5% by 2015

- 1.1.1 Conduct surveys and research of illegal hunting on Zanzibar duiker, sitatunga, Abbotts duiker, giant pangolin and tree pangolin
Indicator: Number of survey reports
Actor: TAWIRI, Universities, NGOs, OIKOS and research scientists
Timeline: 5 years
- 1.1.2 Develop and implement outreach programmes for SUAP species
Indicator 1: Written programme and number of published programmes in place
Indicator 2: Number of successful reported and implemented programmes
Actor: TANAPA, NCAA, WD, NGOs, District authorities, DCCFF ZNZ
Timeline 1: 1 year
Timeline 2: 5 years
- 1.1.3 Procure equipment and increase personnel and number of patrols
Indicator 1: Number of equipment purchased
Actor 1: WD
Timeline 2: 2 years
Indicator 2: Number of new personnel employed
Actor 2: WD
Timeline 2: 5 years
Indicator 3: Number of patrols
Actor 3: WD and VGS
Timeline 3: 5 years
- 1.1.4 Identify illegal hunters
Indicator: Number of illegal hunters identified
Actor: WD, Local community, TANAPA, NCAA, DCCFF, TAFORI, FBD
Timeline: Annually/ongoing
- 1.1.5 Sensitise illegal hunters to SUAP conservation
Indicator: Report documenting sensitisation programme
Actor: WD, TANAPA, DCCFF, NCAA, FBD, LG
Timeline: 5 years
- 1.1.6 Facilitate alternative employment for reformed hunters
Indicator: Number of reformed hunters. Report documenting reform
Actor: WD
Timeline: 5 years
- 1.1.7 Develop and implement alternative income generating schemes

Indicator 1: Number of schemes developed

Actor 1: TANAPA, NCAA, WD, NGOs, District authorities, DCCFF ZNZ

Timeline 1: 3 years

Indicator 2: Number of schemes implemented

Actor 2: TANAPA, NCAA, WD, NGOs, District authorities, DCCFF ZNZ

Timeline 2: 5 years for implementation

1.2 *Number of households in important SUAP areas engaged in alternative income generating activities by 2015 increased*

1.2.1 Conduct workshop to identify and engage village communities

Indicator: Number of workshop reports

Actor: TANAPA, NCAA, WD, NGOs, District authorities, DCCFF ZNZ

Timeline: 3 years

1.2.2 Provide support for small scale IGAs

Indicator: Financial records/reports

Actor: TANAPA, NCAA, WD, NGOs, District authorities, DCCFF ZNZ

Timeline: 5 years

1.3 *Incidences of unsustainable levels of harvesting of SUAP reduced by 2015*

1.3.1 Conduct surveys and research of unsustainable levels of harvesting of SUAP

Indicator: Number of survey reports

Actor: TAWIRI, Universities, NGOs, OIKOS and research scientists

Timeline: 5 years

1.3.2 Conduct an assessment of levels of enforcement of hunting regulations and review in relation to SUAP

Indicator: Number of assessment documents

Actor: TAWIRI, Universities, NGOs, OIKOS and research scientists

Timeline: 5 years

1.3.3 Set quotas based on best available information

Indicator: Published quota reports

Actor: WD (TAWIRI, TANAPA and NCAA)

Timeline: 5 years or Annually

1.3.4 Enforce compliance with hunting regulations

Indicator: reports on compliance, number of anti-poaching patrols, reduced evidence of vegetation disturbance

Actor: WD, TANAPA, NCAA and FBD

Timeline: 5 years/ annually

2. Institutional capacity and local communities' strengthened to effectively conserve SUAP

2.1 *The number of SUAP personnel increased by 5% by 2015*

2.1.1 Carry out needs assessment for SUAP personnel

Indicator: Needs assessment report

Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD

Timeline: 1 year

2.1.2 Advocate for increasing number of SUAP professionals (at all levels)

Indicator: number of SUAP professionals

Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD

Timeline: 5 years

2.1.3 Conduct training on SUAP

Indicator: Number of training sessions conducted

Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD

Timeline: 5 years

- 2.1.4 Sensitise forestry people and other sectors to consider SUAP as part of the ecosystem
Indicator: Number of sensitisation sessions, report on sensitisation sessions
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
Timeline: 5 years
- 2.2 *The number of wildlife personnel with SUAP conservation and management skills increased*
 - 2.2.1 Carry out needs assessment for SUAP personnel
Indicator: Needs assessment report
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD
Timeline: 1 year
 - 2.2.2 Advocate for increasing number of SUAP professionals (at all levels)
Indicator: number of SUAP professionals
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD
Timeline: 5 years
 - 2.2.3 Conduct training on SUAP
Indicator: Number of training sessions conducted
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI and FBD
Timeline: 5 years
 - 2.2.4 Sensitise forestry people and other sectors to consider SUAP as part of the ecosystem
Indicator: Number of sensitisation sessions, report on sensitisation sessions
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
Timeline: 5 years
- 2.3 *Level of investment in infrastructure for SUAP conservation increased by 5% by 2015*
 - 2.3.1 Carry out needs assessment for SUAP infrastructure
Indicator: Amount of funds allocated to infrastructure annually
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
Timeline: 5 years
 - 2.3.2 Allocate budget for identified needs
Indicator: Financial statements and annual budget
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
Timeline: 5 years
 - 2.3.3 Raise funds
Indicator: Amount of funds raised, annual budget
Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
Timeline: 5 years
- 2.4 *The number of villages managing SUAP increased by at least 10% by 2015*
 - 2.4.1 Identify relevant villages
Indicator: Villages identified and documented
Actor: WD, LG, DCCFF ZNZ and NGOs
Timeline: 3 years
 - 2.4.2 Prepare and disseminate information on coexistence with SUAP

- Indicator: Number and types of information material prepared and disseminated
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: 5 years
- 2.4.3 Conduct meetings to raise awareness
 Indicator: Number of meetings conducted, meeting minutes
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: ongoing
- 2.4.4 Prepare and disseminate environmental education materials e.g leaflets, posters, newsletters etc.
 Indicator: Number and types of education materials prepared and disseminated
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: ongoing
- 2.5 *Sustainable financing mechanisms of SUAP conservation programs in place by 2015*
- 2.5.1 Search for possible financing sources
 Indicator: Number of potential financial sources
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: 2 years
- 2.5.2 Put in place proposals and implement
 Indicator: Number of proposals submitted and funded
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs, Research Scientists, Universities and FBD
 Timeline: 5 years
- 2.5.3 Advocate for revolving funding mechanism in selected areas of SUAP
 Indicator: Revolving funding mechanism approved and adopted
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: 5 years
- 2.5.4 Facilitate the establishment of a sustainable financing mechanism
 Indicator: Sustainable financing mechanism in place and functioning
 Actor: WD, TANAPA, NCAA, DCCFF ZNZ, LG, TAWIRI, NGOs and FBD
 Timeline: 5 years

3. Information on SUAP and their habitat in place and disseminated

- 3.1 *Mechanism and system of information gathering in place and disseminated by 2010*
- 3.1.1 Establish coordination unit and maintain and improve database for information gathering on SUAP
 Indicator: co-ordination unit established, database improved
 Actor: TAWIRI
 Timeline: 1 year establishment, database improvement ongoing
- 3.1.2 Establish networking system for SUAP
 Indicator: Networking system in place
 Actor: TAWIRI
 Timeline: 1 year

- 3.1.3 Disseminate information through mass media and other publications
Indicator: Number of mass media articles published, aired and screened.
Actor: TAWIRI
Timeline: Ongoing
- 3.1.4. Establish and maintain web site to help disseminate information collected
Indicator: Web site established and maintained, number of hits on website
Actor: TAWIRI
Timeline: 1 years to establish web site, updated at least quarterly
- 3.2 *Information on SUAP and their relevant habitat available by 2015*
 - 3.2.1 Identify information gaps and prioritise information needs on SUAP
Indicator: Gaps and priorities identified and documented
Actor: TAWIRI
Timeline: 3 years
 - 3.2.2 Collect available information on SUAP and their habitat
Indicator: Database, reports, published articles
Actor: TAWIRI, research scientists, NGOs
Timeline: ongoing
 - 3.2.3 Design and implement research programme for SUAP and habitat
Indicator: Number of designed and implemented research programmes
Actor: TAWIRI
Timeline: ongoing
- 3.3 *Priority species and areas for SUAP in Tanzania identified*
 - 3.3.1 Produce baseline maps for density and distribution of SUAP and their habitat
Indicator: maps
Actor: TAWIRI
Timeline: 1 year
 - 3.3.2 Update maps for SUAP and their habitat
Indicator: updated maps
Actor: TAWIRI
Timeline: ongoing annually.
 - 3.3.3 Develop and implement species specific action plans for recovery of national and internationally threatened species of SUAP.
Indicator: Action plans
Actor: TAWIRI
Timeline: 3 years

4. Loss of important habitat for SUAP reduced

- 4.1 *Strategies to reduce habitat loss in important SUAP habitat developed within 2 years (collect information, hold workshops etc.)*
 - 4.1.1 Conduct National workshop with relevant stakeholders using baseline information collected on important SUAP habitat to develop strategy.
Indicator: Workshop completed and report produced
Actor: WD, TANAPA, NCAA, TAWIRI, FBD, DCCFF-ZNZ, Mweka, Wildlife NGO's, Ministry of Lands, Environment Division VPO
Timeline: 3 years
- 4.2 *Sustainable land use promoted in 20% of important SUAP habitat in 5 years*
 - 4.2.1 Facilitate development and enforcement of land use plans in priority areas where necessary

Indicator: Land use plans completed in 20% of important SUAP areas
 Actor: District authority, Ministry of Lands, Land Use commission, Local communities, DCCFF-ZNZ
 Timeline: 5 years

- 4.3 *Illegal logging controlled in important SUAP habitat within 5 years*
- 4.3.1 Increase number of forestry law enforcers in priority areas
 Indicator: Number of active law enforcers increased
 Actor: FBD, WD, TANAPA, NCAA, DCCFF-ZNZ, District Authorities, Village Government
 Timeline: 2 years
- 4.3.2 Increase patrolling days in areas of high illegal activity
 Indicator: Patrol reports show increase in number of patrolling days
 Actor: FBD, WD, TANAPA, NCAA, DCCFF-ZNZ, District Authorities, Local communities
 Timeline: 2 years
- 4.3.3 Conduct meetings with relevant local stakeholders to raise awareness of illegal logging
 Indicator: Meeting reports from each village
 Actor: FBD, WD, District Authorities, Village government, TANAPA, NCAA, DCCFF-ZNZ, Local communities
 Timeline: Ongoing – 10 meetings a year
- 4.3.4 Support national campaign to raise awareness about commercial illegal logging
 Indicator: National campaign taking place
 Actor: TNRF, TFWG, FBD, DCCFF-ZNZ, Malihai Clubs, WCST, WWF, TAFORI
 Timeline: 4 years
- 4.4 *Production of alternative sources of forest products encouraged in 20% of important SUAP habitat within 5 years*
- 4.4.1 Conduct study to identify important forest products used by local people
 Indicator: Study completed and report produced
 Actor: TAFORI, FBD, DCCFF-ZNZ, Academic Institutions, TAWIRI
 Timeline: 2 years
- 4.4.2 Hold village meetings to promote alternative sources of forest products and methods to reduce firewood consumption
 Indicator: Meeting reports from each village
 Actor: FBD, District Authorities, Local communities, Environment Division VPO, Conservation NGO's, TFWG, DCCFF-ZNZ
 Timeline: Ongoing after 2 years – 5 meetings per year
- 4.4.3 Facilitate establishment of village forest woodlots
 Indicator: Village woodlots established in 20% of important SUAP habitats
 Actor: FBD, DCCFF-ZNZ, District Authorities, Local communities, Environment Division VPO, Conservation NGO's, TFWG
 Timeline: 5 years
- 4.4.4 Facilitate establishment of tree nurseries to support village woodlots
 Indicator: Tree nurseries established in 20% of important SUAP habitats
 Actor: FBD, DCCFF-ZNZ, District Authorities, Local communities, Environment Division VPO, Conservation NGO's, TFWG
 Timeline: 5 years
- 4.4.5 Facilitate establishment of alternative sources of brick making

Indicator: Brick making alternatives in place in 20% of important SUAP habitats

Actor: FBD, DCCFF-ZNZ, District Authorities, Local communities, Environment Division VPO, Conservation NGO's, TFWG, NCAA

Timeline: 5 years

- 4.4.6 Advocate to government to subsidise prices of alternative forest products and to encourage private investment in priority areas

Indicator: Reports and presentations made to government

Actor: FBD, WD, DCCFF-ZNZ, Development NGO's, Environment Division VPO

Timeline: 1 year

- 4.5 *Alternative sources of livelihood promoted in 20% of important SUAP habitat within 5 years*

- 4.5.1 Conduct workshop to promote alternative livelihoods including bee-keeping, fish farming, poultry, pig production and silk production.

Indicator: Workshop conducted and report produced

Actor: TAWIRI, FBD, DCCFF-ZNZ, District government, Local communities, Development NGO's, Ministry of Livestock and Fisheries

Timeline: 2 years

- 4.5.2 Facilitate improvement of agricultural practices in priority areas

Indicator: Increased crop yield in 20% of important SUAP habitat

Actor: Ministry of Agriculture, Development NGO's

Timeline: 5 years

5. Existing policies and legislation relevant to SUAP conservation harmonised, improved and implemented

- 5.1 *Shortcomings in all policies and legislation relevant to SUAP conservation identified and addressed within 5 years*

- 5.1.1 Produce a review document of all legislation relating to SUAP conservation and its impacts

Indicator: Document produced

Actor: NGO or GO

Timeline: 2 years

- 5.1.2 Facilitate seminar(s) among different actors to address conflicts in policies and legislation relevant to SUAP conservation

Indicator: Seminars held

Actor: DCCFF-ZNZ, WD, TANAPA, NCAA, FBD, TAWIRI, Environment Division VPO, District

Timeline: 4 years

- 5.1.3 Advocate for government to make appropriate changes to wildlife policy and legislation where necessary

Indicator: Reports and presentations made to government

Actor: WD, TANAPA, DCCFF-ZNZ, NCAA, FBD, TAWIRI, Environment Division VPO, District

Timeline: 5 years

- 5.2 *Awareness among key stakeholders, including local communities, of all relevant policies and legislation raised within 5 years.*

- 5.2.1 Translate relevant legislation and policy into Swahili

Indicator: Swahili versions of all relevant laws and policies

Actor: NGO or GO, relevant ministries

Timeline: 3 year

- 5.2.2 Distribute translated documents to key stakeholders

Indicator: Documents available in all priority villages, and readily available on the web

Actor: NGO or GO, relevant ministries

Timeline: 4 years

- 5.2.3 Conduct workshops in villages in critical priority areas on legislation relevant to SUAP conservation

Indicator: Workshop reports produced

Actor: WD, FBD, TANAPA, DCCFF-ZNZ, NCAA, TAWIRI, NGO's and GO's

Timeline: 4 years

- 5.2.4 Conduct workshops to inform village representatives in lower priority areas on legislation relevant to SUAP conservation

Indicator: Workshop report produced

Actor: WD, DCCFF-ZNZ, FBD, TANAPA, NCAA, TAWIRI, NGO's and GO's

Timeline: 5 years

6. Awareness of the existence, status and value improved at a national and international level

- 6.1 *All key stakeholder groups are made aware of the status of threatened species of SUAP within 3 years*

- 6.1.1 Develop fact sheets for threatened SUAP species and distribute to key stakeholders.

Indicator: Fact sheets produced and distributed on the web and circulated to all relevant government ministries, Districts and villages in priority areas.

Actor: TAWIRI, District Authorities

Timeline: 3 years

- 6.1.2 Distribute Action Plan

Indicator: all relevant stakeholders aware of plan.

Actor: TAWIRI

Timeline: 1 year

- 6.2 *Awareness of SUAP species and their value improved amongst the general public.*

- 6.2.1 Produce two press releases a year on issues regarding SUAP species and their conservation to be aired through radio, television and newspapers

Indicator: At least two press releases circulated each year

Actor: TAWIRI, WD, TANAPA, NCAA, FBD, DCCFF-ZNZ, Wildlife NGO's

Timeline: Ongoing – two per year

- 6.2.2 Produce articles on SUAP species and their conservation in TMAP and TAWIRI newsletters

Indicator: At least two articles appearing in TMAP/TAWIRI newsletters

Actor: TAWIRI, NGO's and GO's

Timeline: Ongoing – at least 2 per year

- 6.2.3 Produce Swahili translations of TMAP newsletters

Indicator: Swahili versions of newsletters produced

Actor: TAWIRI, NGO's and GO's

Timeline: Ongoing

- 6.2.4 Produce educational materials on SUAP conservation for distribution to primary schools in priority areas

Indicator: Educational materials produced and distributed widely to primary schools in priority areas

Actor: Malihai clubs, NGO's, GO's, TANAPA, NCAA

Timeline: 3 years

6.2.5 Advocate for conservation issues relevant to SUAP to be included in the national curriculum

Indicator: Reports and presentations made to the Ministry of Education

Actor: Malihai clubs, NGO's, GO's, TANAPA, NCAA, TAWIRI, FBD

Timeline: 5 years