



NGONG ROAD FOREST
ASSOCIATION

DEVELOPMENT PLAN

THE NGONG ROAD FOREST

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“It’s really amazing. You plant a seed; it germinates and looks so fragile, and within a very short time it becomes a huge tree. It gives you shade and if it’s a fruit tree it gives you fruit... to build and transforms lives...”

Prof. Wangari Maathai



ABOUT THE NGONG ROAD FOREST

- ☛ Situated in the outskirts of Kenya's capital city, Nairobi. This remarkable geographical location gives the forest a unique role in Nairobi and Kenya.
- ☛ The Forest covers an area of 1224 Ha and is managed by the Kenya Forest Service and the Ngong Road Forest Association, a Community Forest Association formed under the Forest Act of 2005.
- ☛ It is divided by the Ngong Road into two main sections, the Miotoni Section to the North West and the Racecourse and Kibera section to the South East. These sections in turn are divided by the Southern Bypass, which is currently under construction.



ABOUT THE NGONG ROAD FOREST



Aerial View illustrating the extent of the Ngong Road Forest



SECTIONS OF THE NGONG ROAD FOREST



The extent of Section 1 & 2 of the Ngong Road Forest



WETLANDS IN THE NGONG ROAD FOREST



The Upper Dam in Section 1 of the Ngong Road Forest



WETLANDS IN THE NONG ROAD FOREST



The Lower Dam in Section 1 of the Nong Road Forest



SECTIONS OF THE NGONG ROAD FOREST



The extent of Section 3 & 4 of the Ngong Road Forest



SECTIONS OF THE NGONG ROAD FOREST



The extent of Section 5 of the Ngong Road Forest



FUNCTIONS OF THE CFA

- ☛ Protect, conserve and co-manage forest;
- ☛ Formulate and implement forest programs consistent with the traditional forest user rights of the community concerned;
- ☛ Assist the Service in enforcing the provisions of this Act and any rules;
- ☛ With the approval of KFS Management Board, enter into partnerships with other persons for the purposes of ensuring the efficient and sustainable conservation and management of forest;
- ☛ Keep KFS informed of any developments, changes and occurrences within the forest which are critical for the conservation of biodiversity;
- ☛ Act for the efficient conservation and management of the forest.

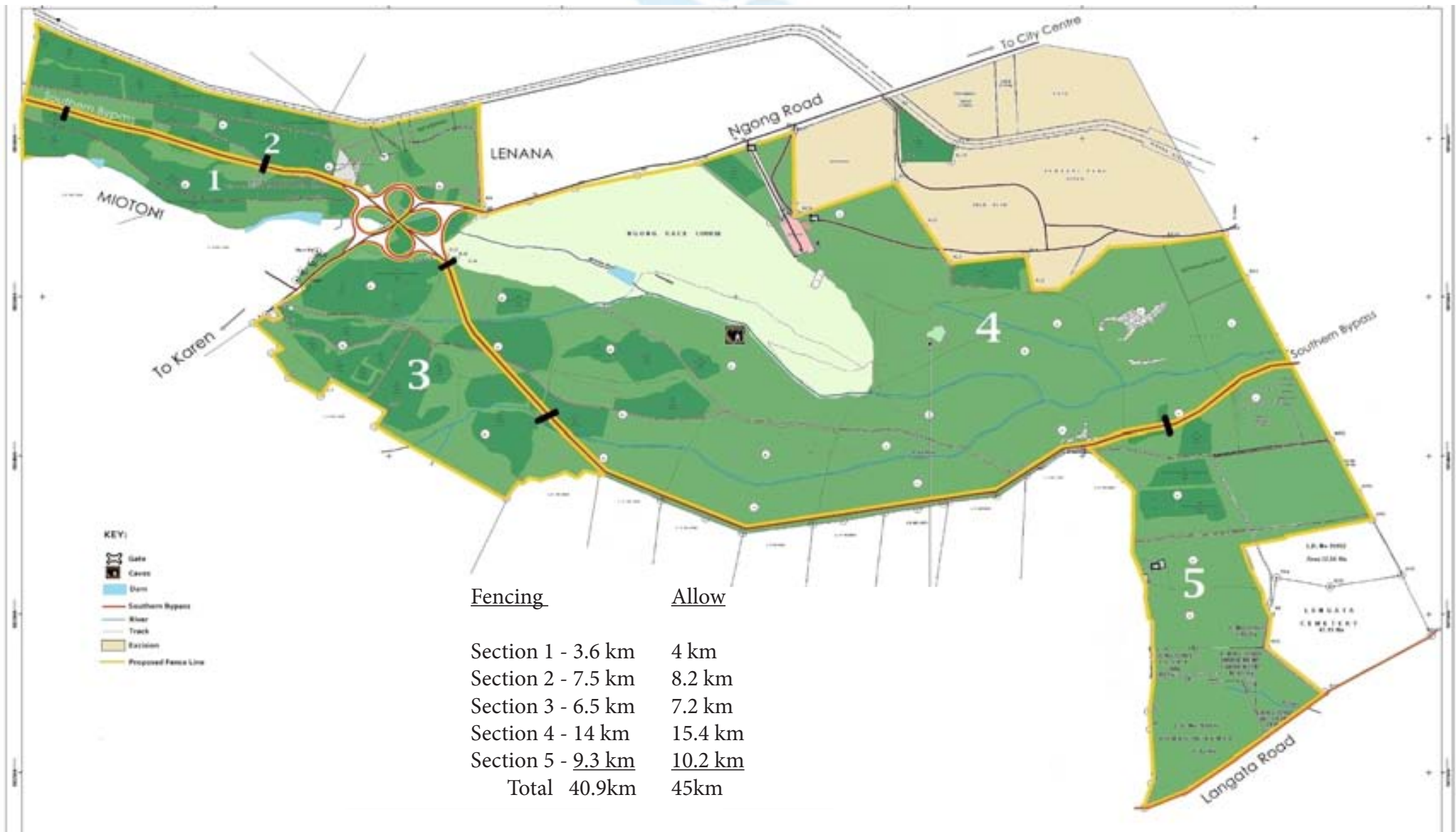


PLANS

- ✿ The **vision** of the plan is to make Ngong Road Forest safe and secure, and a world class example of sustainable forest management and conservation.
- ✿ The **goal** is to achieve and sustain a well and safe conserved Ngong Forest through stakeholder's participation for provision of goods and services for the city residents.
- ✿ The **plan** is to moderate the participation of stakeholders, besides ensuring that the implementation leads to sustainable management of the forest.
- ✿ As shown, the Forest has been divided into five zones as it is divided by the roads crossing the Forest.
- ✿ This **Management Plan** covers a five year period starting from 2015 – 2019.



FENCING PLAN



Map illustrating the Sections of the Ngong Road Forest as defined by the Road Networks



FENCING BUDGET

Each Kilometre of Electric Fence - **Ksh 1,500,000**

Management of 1 kilometre per month:

Ksh 6,000

1 person costs: **Ksh 30,000** per month and can patrol **5Km**

Total Budget required for fencing - **Ksh 68 million**

Total Budget required for fence **maintenance and patrolling:**

Total of **Ksh 10 million** per year

2 year budget: Ksh 68 million + Ksh 20 million = **Ksh 88 million**

Income Projections after **2 years** – **Ksh 500,000** per month from visitors revenue.

Income from Planned Activities overleaf –

Total projected income Ksh 1,000,000 per month or Ksh 12million per annum



FENCING OF SECTION 1



Fencing & Securing of Section 1 of the Ngong Road Forest



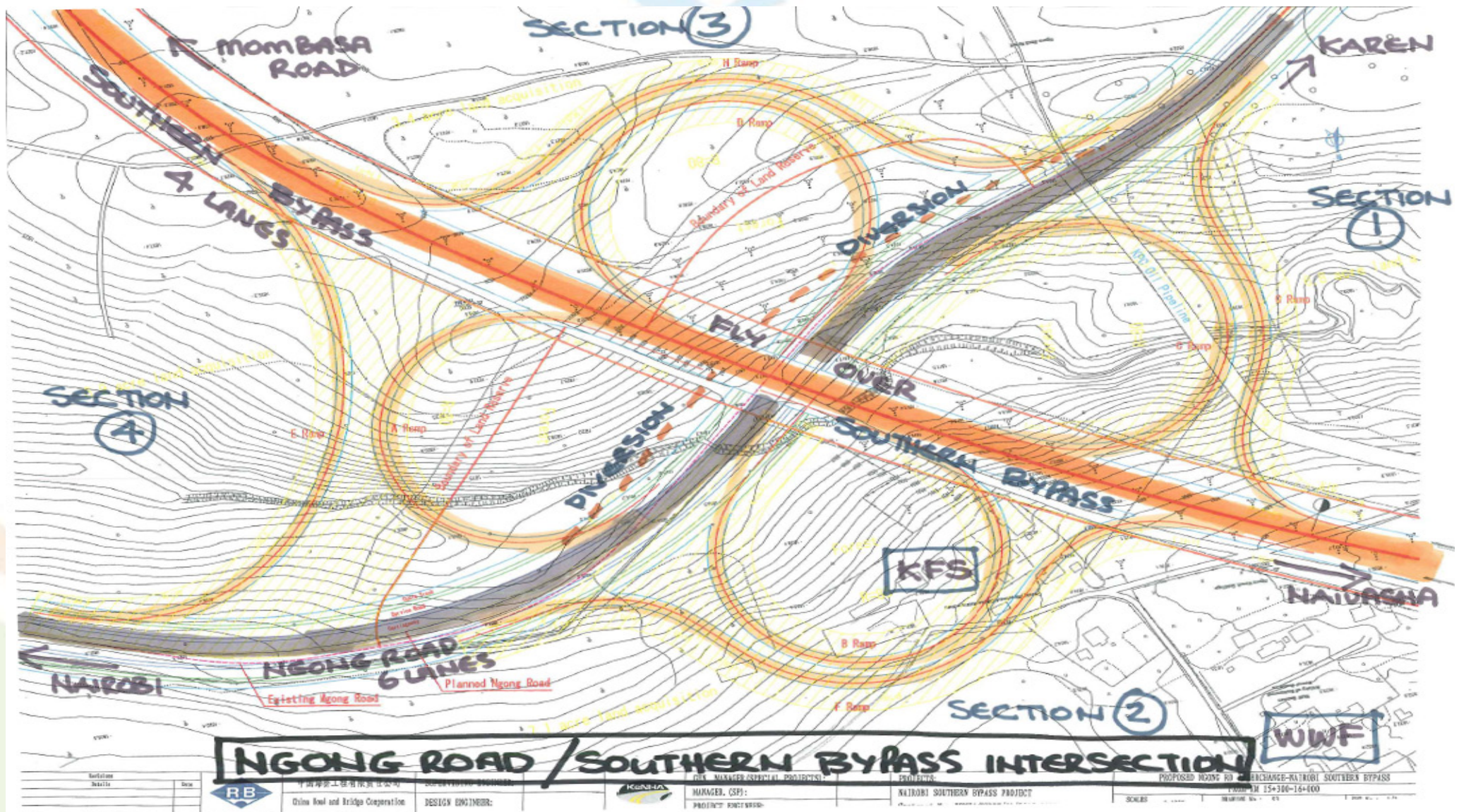
FENCING OF SECTION 1



Fencing across the seasonal river in Section 1 of the Ngong Road Forest



SOUTHERN BYPASS & NGONG ROAD INTERSECTION



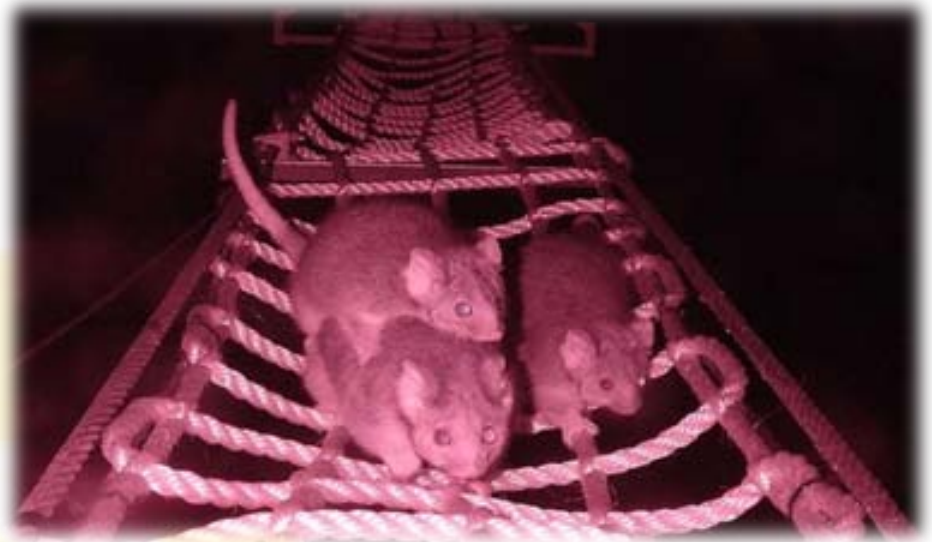
Construction of the Southern Bypass and Expansion of the Ngong Road that required deforestation



SOUTHERN BYPASS & NGONG ROAD INTERSECTION



Illustration showing a Proposed Rope Bridge along the Southern Bypass



Bush babies cross Rope Bridge



Construction of the Underpasses along the Southern Bypass



A use of the Underpasses



PROBLEMS FACED

- ☛ Dense population surrounding the forest has led to high demands on forest resources. These demands include; fuel wood, water, bee keeping, eco-tourism, recreation and grazing pasture;
- ☛ Some criminals use the forest as a place of refuge and commit opportunistic attacks on visitors. Leading to reduction of the number of visitors to the forest;
- ☛ The threat posed by greedy potential developers claiming sections of the forest;
- ☛ The forest is susceptible to forest fires during dry periods;
- ☛ Poaching of game;
- ☛ Lantana camara and other invasive weeds grow too vigorously, endangering indigenous plants and trees.
- ☛ Wetlands problems, including land fill and the spread of invasive species such as Phragmites.



PROBLEMS FACED



The images show results of reoccurring poaching in the Ngong Road Forest



PROBLEMS FACED



Protection of Wetlands - The recent interference of the Lower Dam without EIA or NEMA approval



Phragmites require management control - One of the issues facing the section of Wetlands System



Aerial view of the Lower dam in Section 1 of the Ngong Road Forest



PROBLEMS FACED



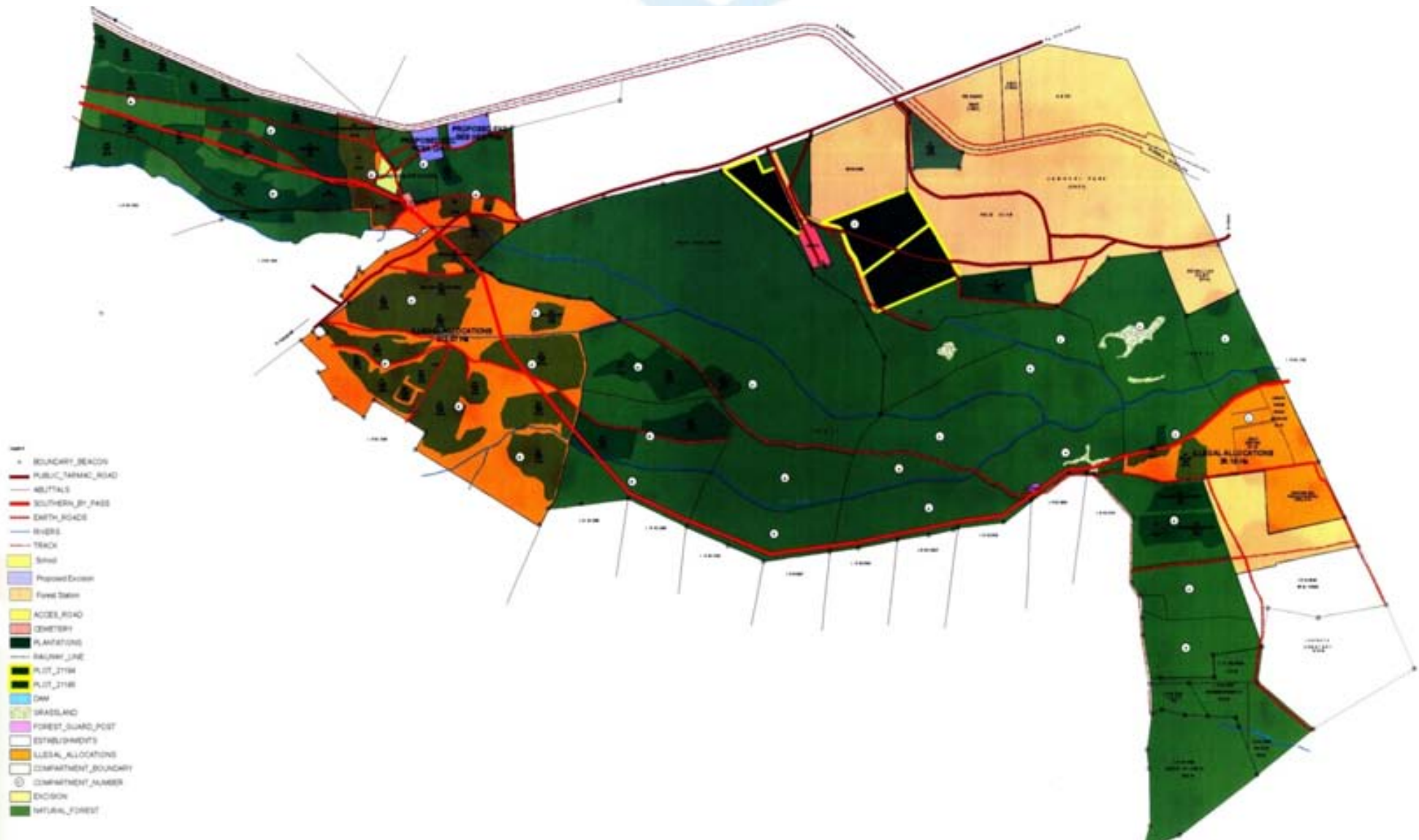
Illegal cutting down of trees for firewood collection



Dumping by the Contractor along the Southern Bypass



PROBLEMS FACED



Map illustrating illegal allocations of the Ngong Road Forest



ACCOMPLISHMENTS



Land Theft - Attempted excision of Forest Reserve



ACCOMPLISHMENTS



Map illustrating the attempted excision of Forest Reserve



ACCOMPLISHMENTS

- ❧ Fencing of Section 1 of the Ngong Road Forest;
- ❧ Planting of 7000 trees in the Forest since 2003;
- ❧ Historical work and co-ordination with KFS to commence re-forestation plans in the Miotoni section;
- ❧ Prevention of blatant theft of KFS land;
- ❧ Prevention of poaching within the forest;
- ❧ Production of NRFA Management Plan and Management Agreement;
- ❧ Formation of the NRFA and co-ordination of the Stakeholders;
- ❧ Encouraging residents to understand the Environmental and Land Laws, and attempting to restore environmental damage.



ACCOMPLISHMENTS



Chairman of the Ngong Road Forest handing over briquette machine to the Community



Wooden Briquette Machine



Briquettes made by the Community drying out at the Sanctuary Trust.

Briquettes are made from biodegradable waste materials such as paper, fallen wood or branches, leaves and other waste materials.

They are a good alternative of fuel for the Community. This helps reduce deforestation



PLANNED ACTIVITIES

COMMUNITY

- ☛ To provide Employment
- ☛ To provide Income
- ☛ To provide Training



Community: Training in Entrepreneurship



Community: Learning how to use the briquette machine

TRAINING

- ☛ Anti Stock Theft Training
- ☛ Community Scouts Training
- ☛ Forest Training Centre



Watch Tower



Education Centre

RESEARCH

- ☛ Biodiversity Monitoring
- ☛ Forest Monitoring
- ☛ Wetlands Monitoring



Upper Dam - Section 1



Lower Dam - Section 1



Ngong Race Course - Section 4



PLANNED ACTIVITIES

COMMERCIAL



Existing Road Camp for the China Road & Bridge Corporation



Rehabilitate the Road Camp to a Man made Lake and Lakeside Coffee Shop



- Fund Raising Activities
- Rental of Meeting/ Training Rooms
- Tree Nurseries



PLANNED ACTIVITIES

PRODUCTION



Community: Soap Making

- Alternative Fuel
- Bee Keeping
- Butterfly Farming
- Carving
- Candle Making
- Cut & Carry Animal Feeds
- Fish Farming
- Fallen Firewood Collection
- Harvesting of Forest Products
- Mushroom Farming
- Phragmites Weaving
- Soap Making
- Weaving



Community: Bee Keeping



Community: Candle made from Bee Wax

SHOP SELLING



Community: Skin care products from Bee Wax



- Candles
- Carvings from fallen or sustainable wood
- Honey
- Soap



PLANNED ACTIVITIES

RECREATIONAL ACTIVITIES



Forest Walk by Students



Chase Bank: Charity Walk



Bird Watching: Crowned Eagle



Environmental Education

- 🍃 Bird Watching
- 🍃 Boating
- 🍃 Canopy Walks
- 🍃 Competitions
- 🍃 Cycling
- 🍃 Eco-Tourism
- 🍃 Fishing
- 🍃 Forest Walk
- 🍃 Horse Riding
- 🍃 Jogging Tracks
- 🍃 Marathon Course
- 🍃 Picnic Sites
- 🍃 Rope Park
- 🍃 Team Building



Visitors: Marathon Course



Proposed Rope Park

**Mendeyeva St. Ufa, Russia*



HOW YOU CAN HELP

- 🌿 Donate and support our plan to fence, protect and manage all of the Ngong Road Forest.
- 🌿 Donate and support Educational Projects including Training of the Community.
- 🌿 Create awareness of the forest environment and sustainable activities.
- 🌿 Participation in ongoing projects as shown overleaf.



PROJECT THAT WE NEED HELP WITH:

Projects within the forest, include:

- 🍃 **Protection and enhancement of the wetlands** i.e Upper dam, Lower dam & the Race Course Dams;
- 🍃 **Re-forestation Projects;**
- 🍃 **Eco-tourism Projects;**
- 🍃 **Recreation Projects** E.g. Bike tracks, Rope parks, Forest canopy walks, Horse riding, Team building areas, Bird watching, Sponsorship of Competitions.
- 🍃 **Production and Community Projects** E.g. Alternative fuels, Bee keeping, Harvesting of forest products, Tree nurseries and more.
- 🍃 **Commercial Projects** E.g. Lakeside Coffee Shop, Rental of meeting rooms & Training facilities, Rental of campsites.
- 🍃 **Research Projects** E.g. Forestry, Wetlands, Biodiversity.



STAKEHOLDERS



Kenya Scouts Association

Community Based Organisation



NGONG ROAD FOREST ASSOCIATION

DONORS



Impact | Empower | Support



PARBAT SIYANI



Miotoni Residents



Carpet World

Adder Co. Ltd





NGONG ROAD FOREST
ASSOCIATION