



Presentation from
**2016 World Water
Week in Stockholm**

www.worldwaterweek.org

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NAIROBI
WATER
FUND

Close Knit Relationship

**Forests, Water
and Nairobi City**

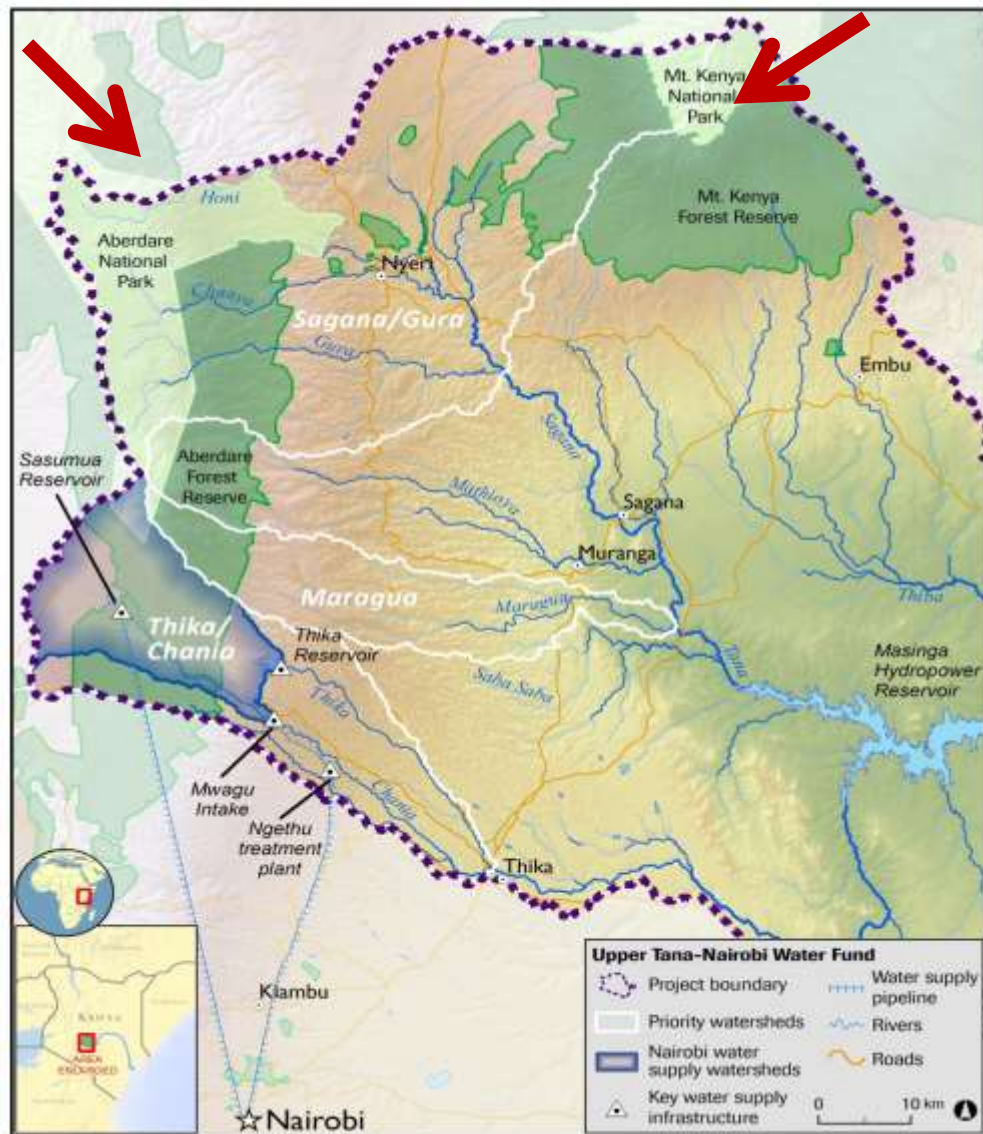
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Our Water Source

- The Upper Tana Watershed
- Drains two major water towers:
 - Mt Kenya World Heritage Site, and
 - Aberdare park and forest
- Streams flow east to form the tana, flows 1000 km to the Indian Ocean
- Both water towers suffer the impact of Climate change, intensive farming from a million resident farm families



TANA RIVER

KENYA'S LARGEST

65%
OF KENYA'S
HYDROPOWER

95%
OF DRINKING WATER

9 MILLION PEOPLE



Threats to the Ecosystem

1. Deforestation:

- Expanding cultivation areas and wood extraction is unchecked in both Aberdares and Mt Kenya protected areas

2. Increased erosion:

- Unsustainable practices causing loss of soils, increasing sedimentation in rivers, high turbid waters for city & residents

3. Demand for agricultural land:

- Increases intensive agricultural practices and small-holder irrigation, riparian encroachment and unsustainable river abstractions draining rivers

4. Reservoir sedimentation:

- Reduces the storage capacity of the reservoir for city and municipality water supply, hydropower dams

5. Policy Issues:

- Over- reliance by the City's 4 million people, 5 million watershed inhabitants,
- No designated funds for watershed conservation
- No precedence for Public- Private Partnerships on conservation
- Over –taxed corporate businesses

Water Fund Model



A cost-effective solution where the water supply is naturally replenished and filtered and rural livelihoods are improved

Steering Partners

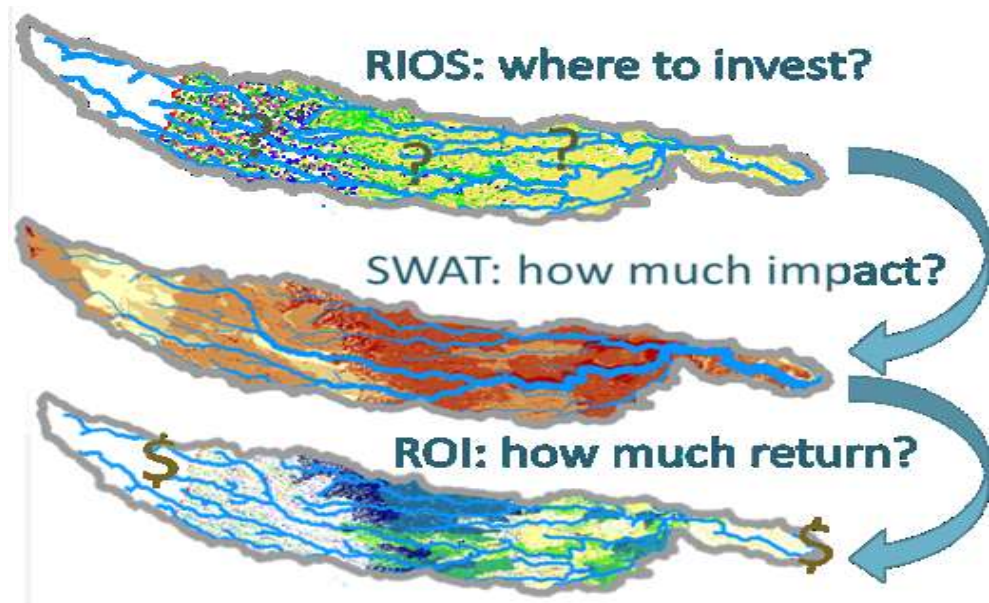




Upper Tana-Nairobi Water Fund A Business Case

making science based investment
decisions

- Data provided by partners
- Modelling by TNC & CIAT
- 2:1 return guaranteed on investment





Steep farm lands



Land conversion: tea to annual crops

PEOPLE

Benefits by 2025

30% Drop in Interruptions Caused by Sediment Spikes

18% Less Sediment in Masinga Reservoir

15% More Water in Dry Season Flows

30% Increase in Farm Income via Irrigation and Soil Productivity



NATURE

Benefits by 2025

10,000 Hectares
Reforested

100 Kilometers
Riparian Land **Restored**

Greater **Climate Resilience**
Drought & Flood

1.6M Tons
Carbon Sequestered

2,000,000 Trees Planted



Development of the Water Fund

Legal Registration

- Formed as a Public –Private Partnership in 2012
- Launched in March 2015
- Registered in Kenya as Charitable Trust

Governance

- Board of Trustees in place
- Delegated responsibility to a Management Board
- Operational management Unit at TNC
- Government priority by Ministry of Environment

Resource Mobilization

- Public and Private sector partners raised USD 4 million for initial investments
- A new water tariff now endorsed for Nairobi - conservation investments



PROGRESS

7 Key Industry Players Contributing

Water Fund Declared a **National Priority**

15,000 Farmers Directly Involved

40,000 Farmers Reached

120,000 Acres Under Sustainable Management

175,000 Trees Planted Annually

\$15 million Endowment Fund designed for sustainability



"I have seen rivers that were brown with silt become clean-flowing again. The job is hardly over, but it no longer seems impossible."

— Wangari Maathai

Asante Sana!

Daniel Komen, World 3000m champion motivates Tana farmers