



Using Innovative Land Conservation Tools in Africa to Protect Land, Enhance Resource Management and Improve Community Livelihoods

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AWF Mission

Work together with the people of Africa to ensure that wildlife and wild lands of Africa endure forever.

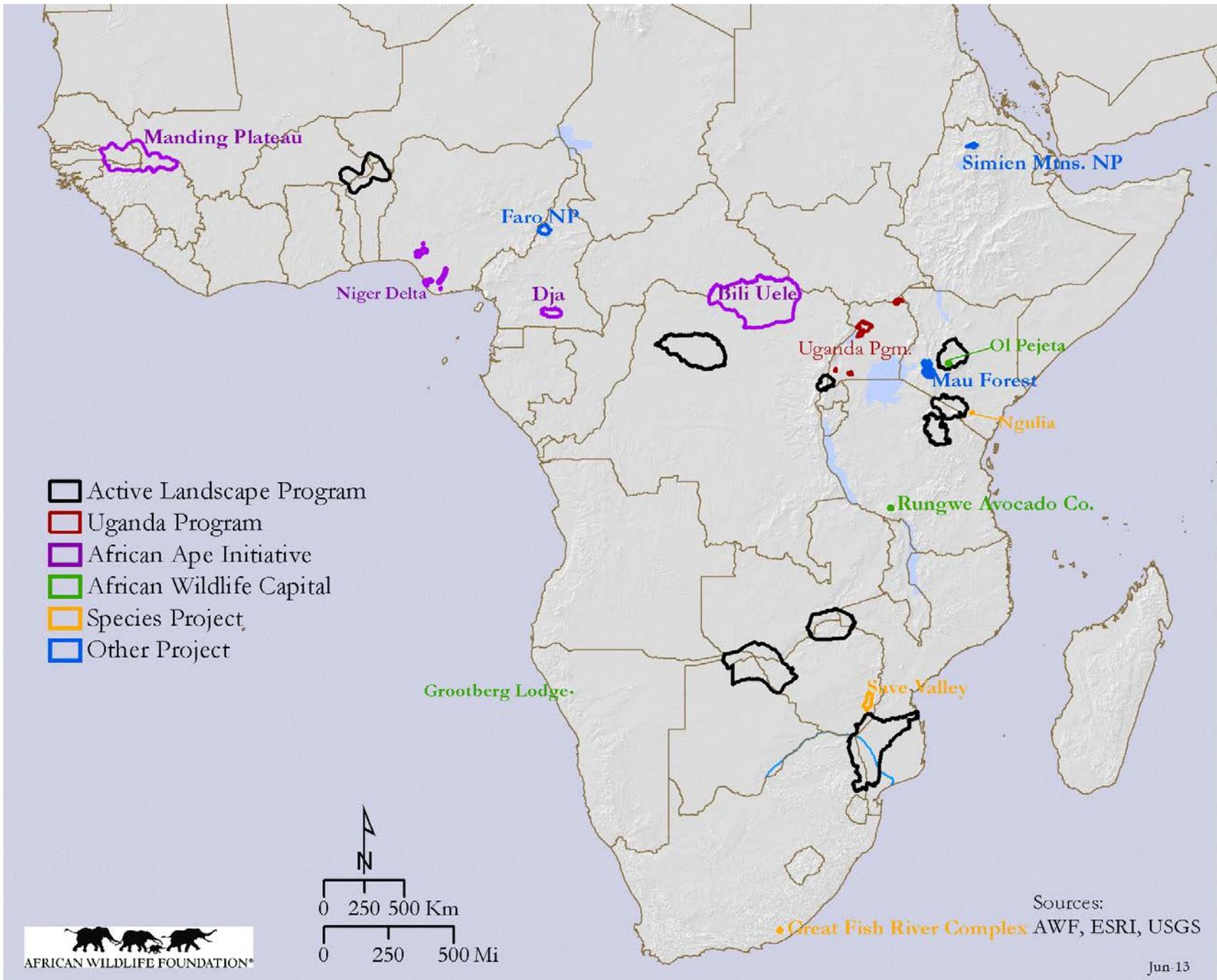


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AWF Programs

- Applied conservation science & research
- Land & habitat conservation
- Conservation enterprise
- Climate change
- Capacity & leadership development
- Conservation schools
- Policy





NATIONALGEOGRAPHIC.COM/MAGAZINE

SEPTEMBER 2005

NATIONAL GEOGRAPHIC

Africa

Whatever
you thought,
think again.

SPECIAL  ISSUE



AFRICA RISING

HOW 900 MILLION AFRICAN CONSUMERS
OFFER MORE THAN YOU THINK

VIJAY MAHAJAN



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Land and Habitat Conservation

- **Goal:** Secure land to protect key wildlife habitats, core areas and corridors

- **Tools and approaches used**
 - a) Support to Protected Areas
 - b) Participatory Land Use Planning and Zoning in Community areas
 - c) Direct Purchase
 - d) Application of Legal and Economic Instruments e.g. Leases
 - e) Land policy Advocacy
 - f) Forest Conservation Including REDD and Other Carbon Instruments
 - g) Establish Land Conservation Trusts
 - h) Payment for Ecosystem Services
 - i) REDD, Voluntary Carbon Easement



Need for New Conservation Tools

To secure Africa's ecological integrity and maintain viable populations of wildlife, land outside protected areas must be protected through innovative conservation measures.



Payment for Ecosystem Services



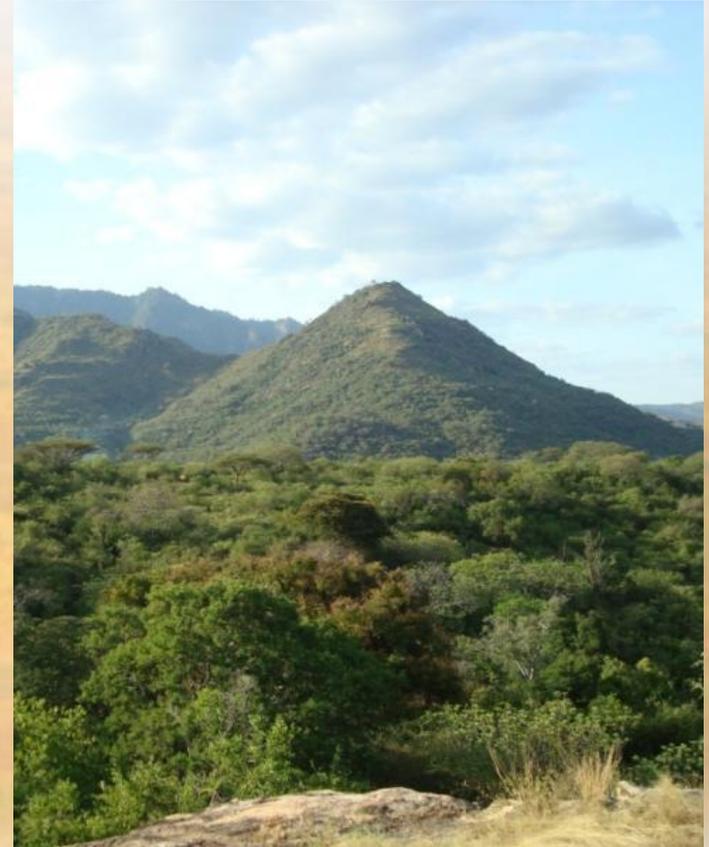
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Payment for Ecosystem Services: Definition

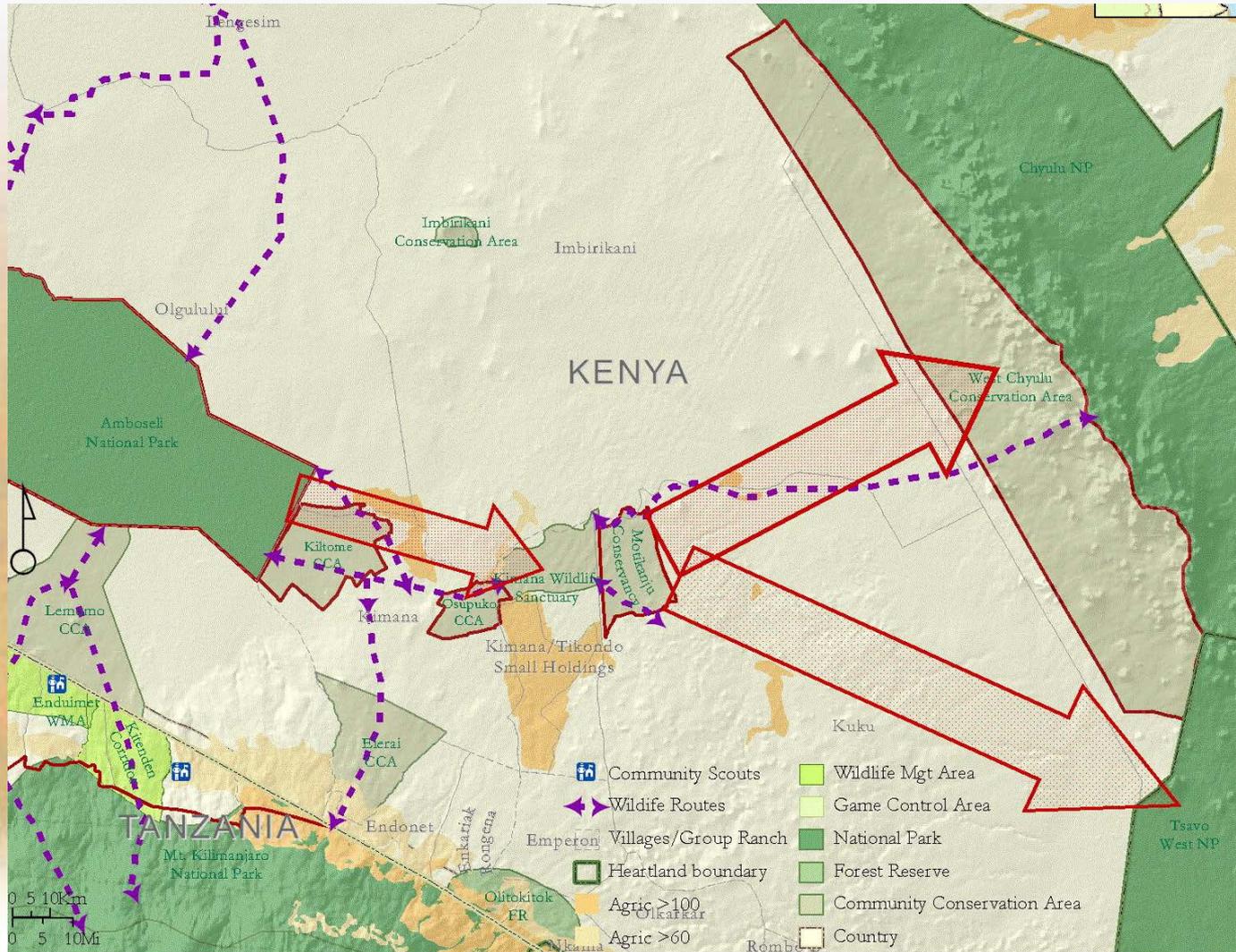
1. a *voluntary transaction where*
2. a *well-defined ES (or a land-use likely to secure that service)*
3. is being 'bought' by a (minimum one) *ES buyer*
4. from a (minimum one) *ES provider*
5. if and only if the ES provider secures ES provision (*conditionality*).

Types of Payment for Ecosystem Services

1. Carbon sequestration and storage
2. Biodiversity
3. Watershed
4. Landscape beauty



Amboseli Ecosystem

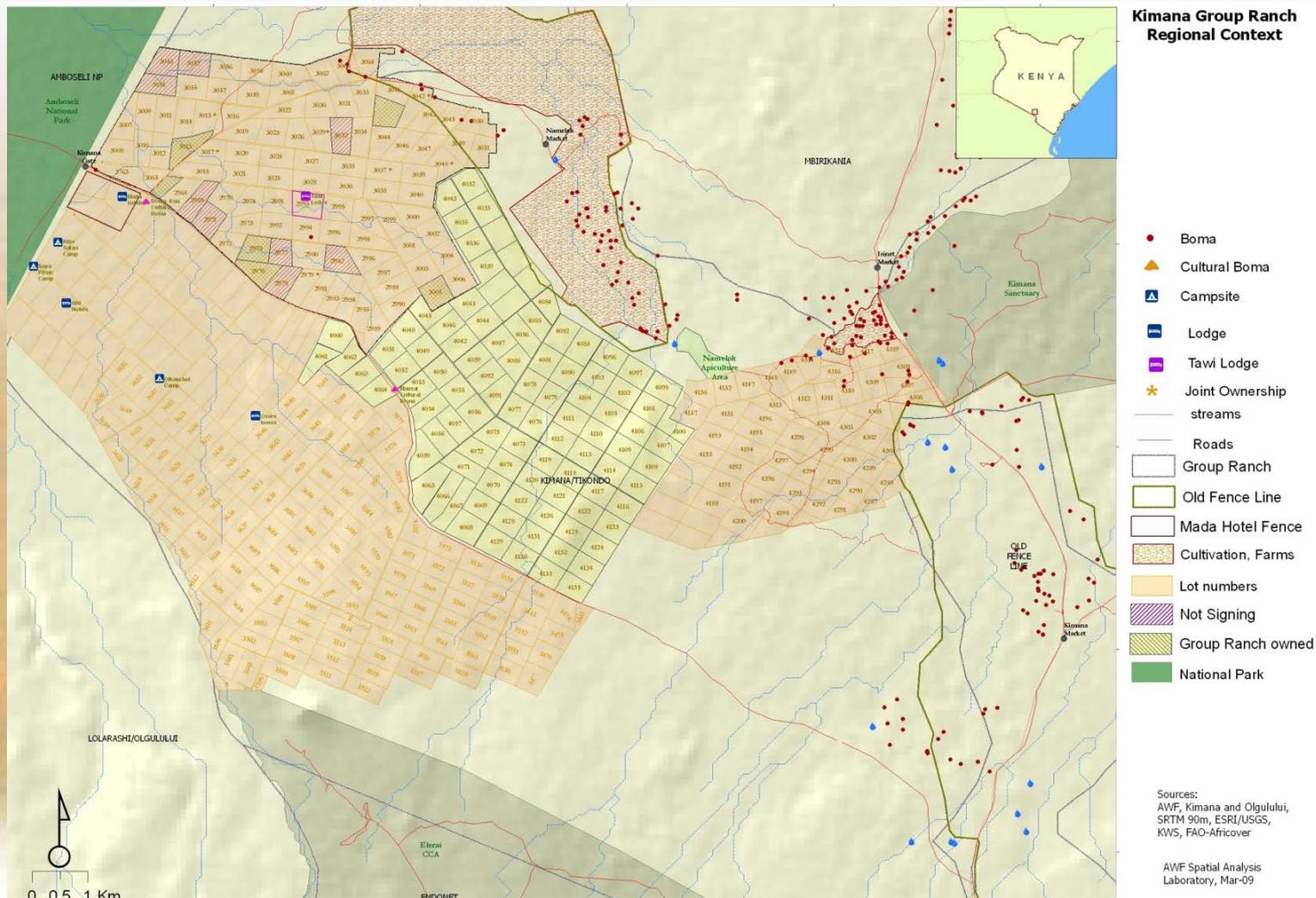


Critical Elephant Corridor and Dispersal Area



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Sub-divided Landscape



Arid Landscape



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PES: Biodiversity Protection

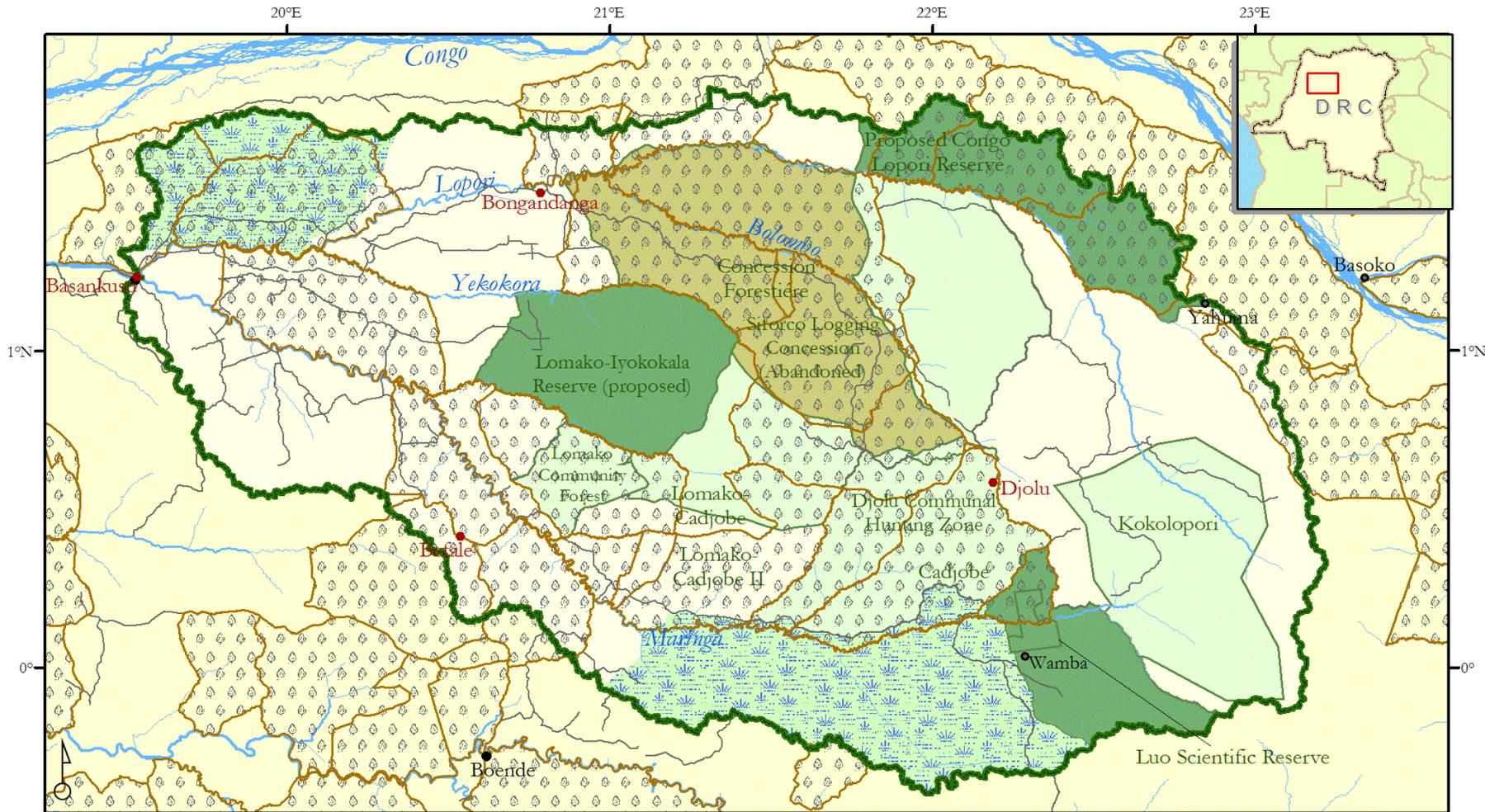
- 1000+ Landowners
- Good governance
- 35,000 acres
- Legal Mechanism
- FPIC
- 600 KSH/acre
- 3.0% annual increase
- Direct Deposit
- Spin-off Enterprise
- Employment
- Community Monitoring



Challenges

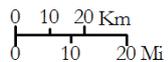
1. Long Term Sustainability
2. Annual Payment
3. Title and Shifting Parcels
4. Competition
5. Can Not Benefit All
6. Everyone Can Not Have a Lodge
7. Allocation of Parcels





Maringa/Lopori-Wamba: Forest Concessions and Draft Landscape Land Use Plan

projection: UTM34N, WGS84



- AWF Office
- Town/Settlement

 Forest Concession¹
¹status pending review under the 2002 Forest Act

- Conceptual Zones
-  Community Managed Area
 -  Concession Forest
 -  Protected Area
 -  Wetland

Sources:
 AWF, ESRI/USGS,
 FAO-Africover,
 NASA-SRTM

AWF Spatial Analysis Laboratory
 Jun-07

REDD+



Challenges

1. Legal Structure
2. Time Lag
3. Changing Study Site
4. Its Not All About Money
5. Cost
6. GIS Requirements



Kenya's first easement expands Nairobi park

Nairobi National Park has been expanded by more than 100 acres through the signing of Kenya's first voluntary easement deal. To counter the alarming decline of wildlife and habitat due to development and land fragmentation, Mr. John Keen, 86, and his family have protected their land through the conveyance of an environmental easement to the African Wildlife Foundation (AWF) and Kenya Wildlife Service (KWS).



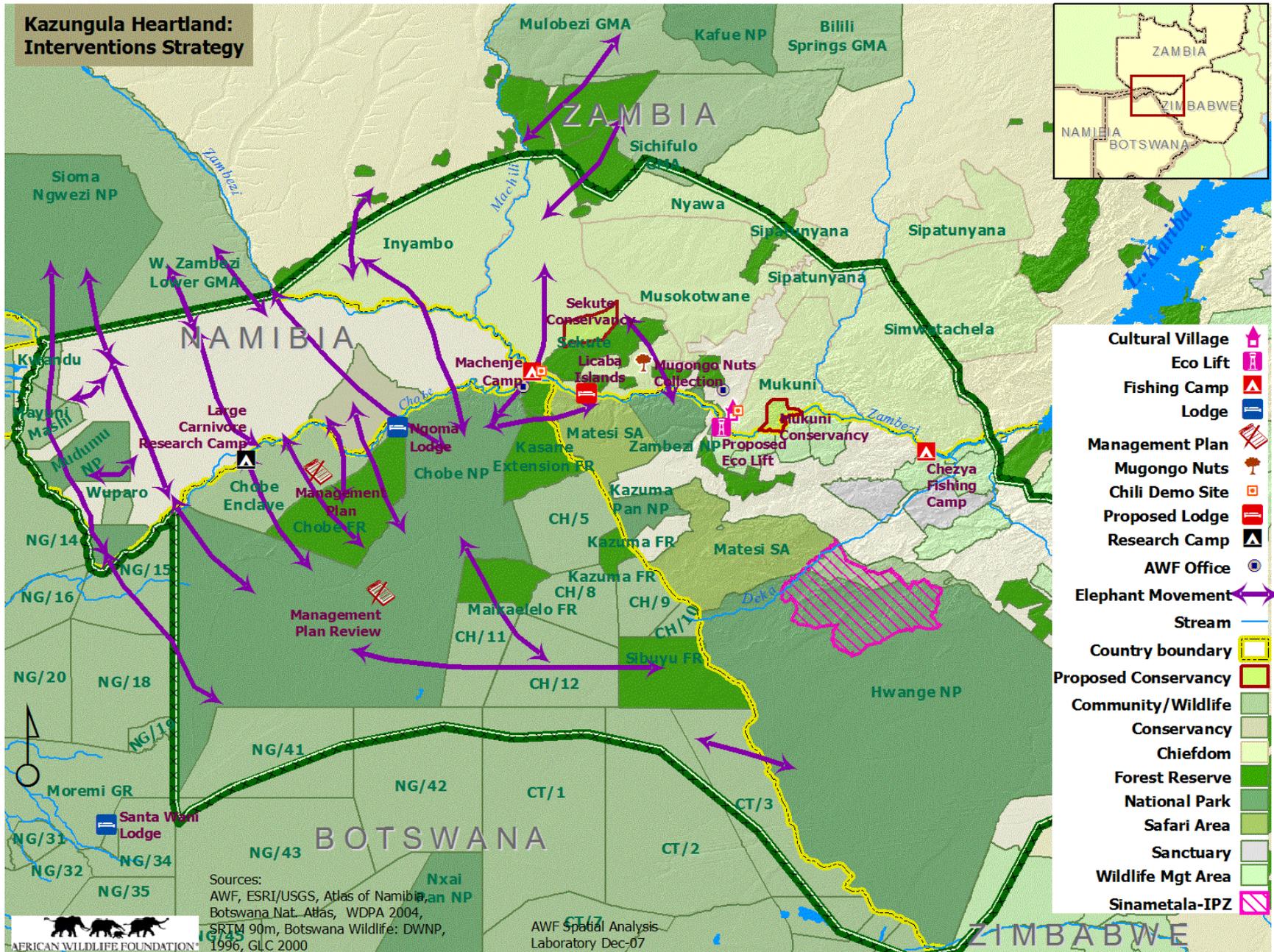
KWS director Mr Julius Kipng'etich, Mr John Keen and Dr. Helen Gichohi, President of the African Wildlife Foundation

Kipng'etich, Director of Kenya Wildlife Service, Erna Kerst, Director of USAID and AWF, KWS and USAID staff.

“Kenya's national parks, sanctuaries,



Kazungula Heartland: Interventions Strategy



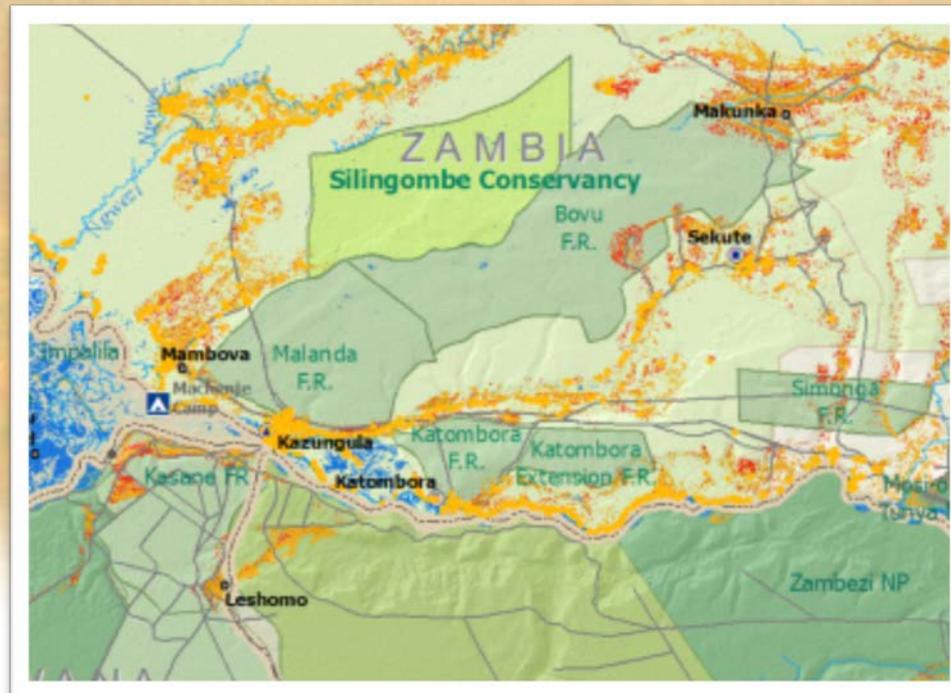
Sources:
AWF, ESRI/USGS, Atlas of Namibia,
Botswana Nat. Atlas, WDPA 2004,
SRTM 90m, Botswana Wildlife: DWNP,
1996, GLC 2000

AWF Spatial Analysis
Laboratory Dec-07



- Cultural Village
- Eco Lift
- Fishing Camp
- Lodge
- Management Plan
- Mugongo Nuts
- Chili Demo Site
- Proposed Lodge
- Research Camp
- AWF Office
- Elephant Movement
- Stream
- Country boundary
- Proposed Conservancy
- Community/Wildlife
- Conservancy
- Chiefdom
- Forest Reserve
- National Park
- Safari Area
- Sanctuary
- Wildlife Mgt Area
- Sinametala-IPZ

Community Conservancy





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