Sand dams: MUS & water security

www.excellent.org.uk
Benefits: water & time
Drinking water
Cooking and cleaning
Vegetable nurseries
Tree nurseries
Fish farms
Mechanisms for sustainable use
Future plans on MUS
Lekurruki conservancy
Low volume rural road crossings
A sand dam road crossing, Kenya
A farm next to a sand dam road crossing
A double sand dam acting as a LVRR crossing…and water pumping station

Makueni County, Kenya
What’s the opportunity?

- 5,552,000kms of rural roads in sub-Saharan Africa.
- 48% of these are in drylands (where sand dams are applicable).
- $8 Billion is invested annually in rural roads infrastructure.
- 80% of this investment is on maintenance and emergency repair.
- In Kenya, 80% of roads are low-volume, unpaved, rural feeder roads.

*Kenya Roads Board statistics