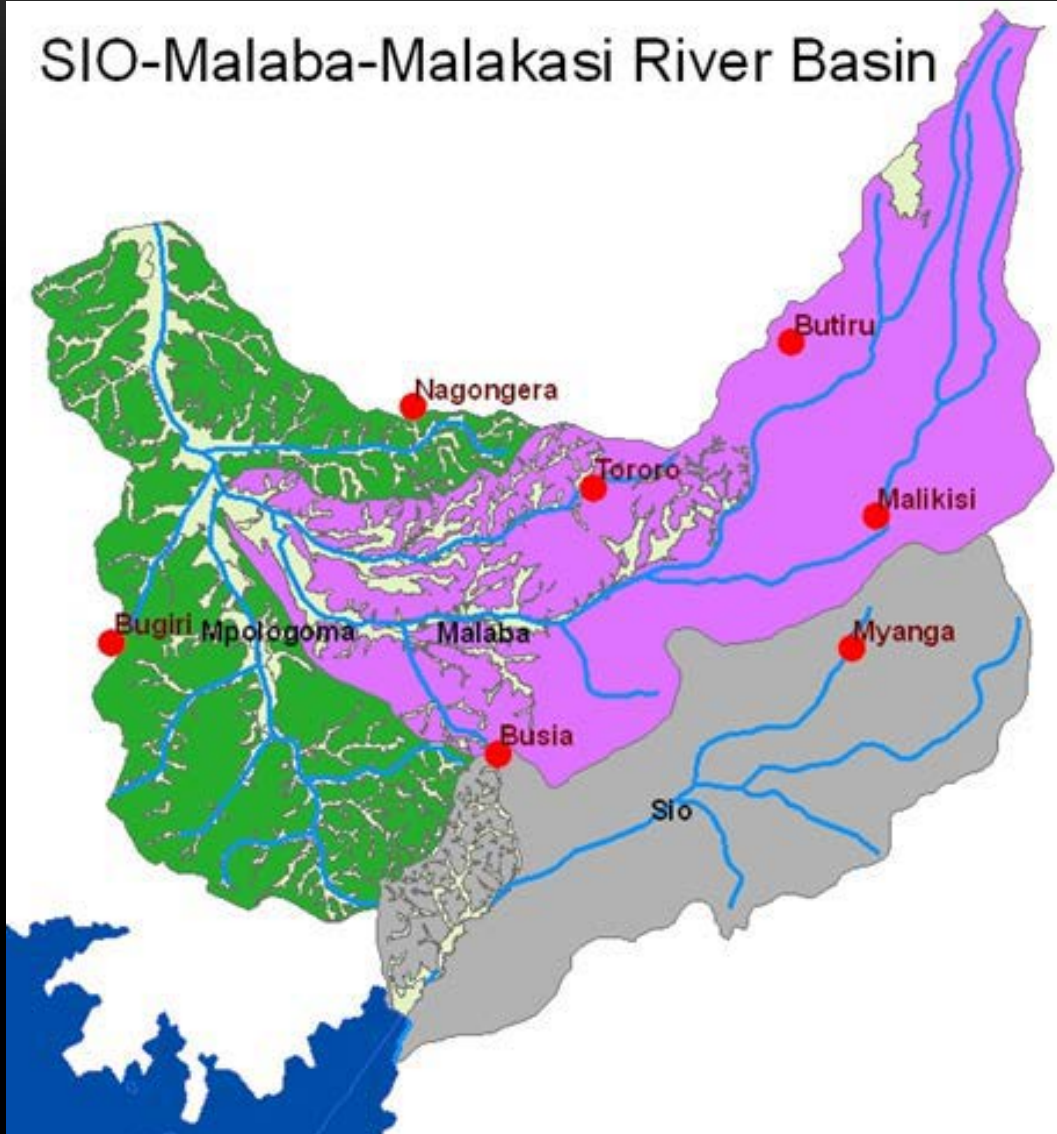


SIO-Malaba-Malakasi River Basin



SIO-MALABA- MALAKISI TRANSBOUNDARY PROJECTS

Simon Thuo
Resilience Centre, Nairobi

STEP 1

MAPPING OF SMM RELEVANT PROJECTS

1. A long list of relevant and feasible restoration intervention types across the different assessment areas;
2. Needed: Quantified costs and benefits of each intervention type;
3. Needed: Estimated values of additional economic, environmental and social benefits enhanced by these intervention types;
4. Lists, Docs Provided by: WARA; NELSAP SMM project; Bungoma, Busia, Kakamega Counties; Field visits to Tororo, Manafwa; discussions with Local Government & technical officers in Manafwa, Butaleja; MWE Mbale regional HQ

67 PROJECTS IDENTIFIED

NELSAP SMM
NATIONAL : GOVERNMENT & AGENCIES
COUNTY GOVERNMENTS (KENYA)
DISTRICT LOCAL GOVERNMENTS (UGANDA)
REGIONAL OFFICE (UGANDA)

But many other promising projects had no supporting information...

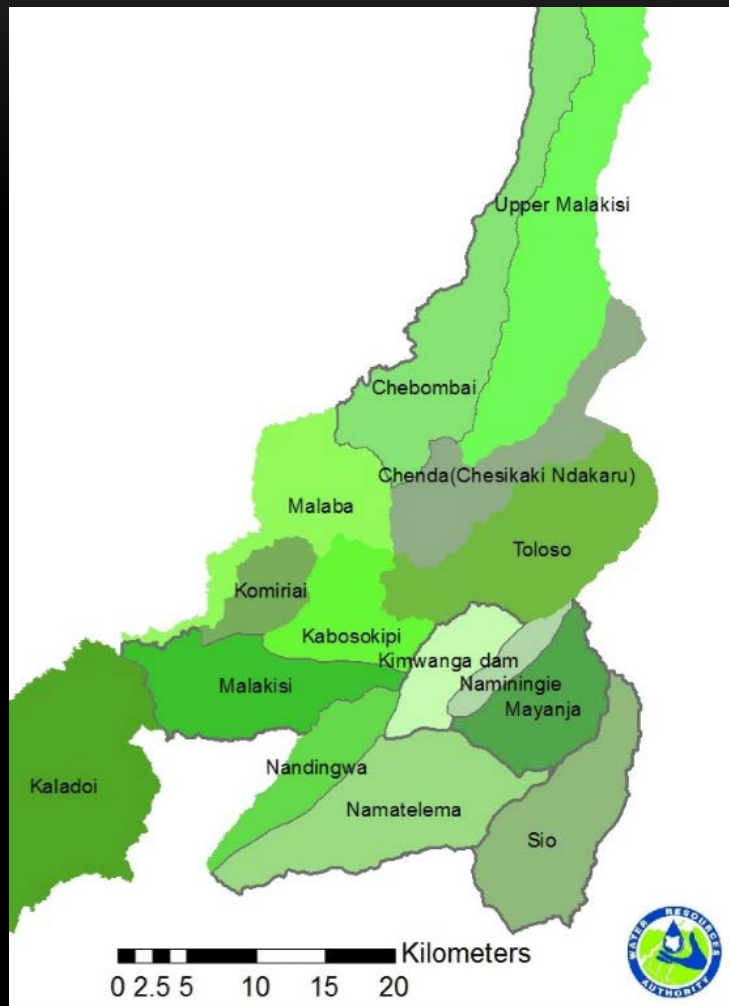
NELSAP SMM

	Proposed Sub Projects in Kenya			
1.	Nanguba	Rehabilitation of Nanguba water shed; Mumanya stream	2,602,617	2,602,617
2.	Wakhungu	Rehabilitation Wakhungu subwatershed	1,986,040	1,986,040
3.	Bumasa	Rehabilitation of Bumasa Watershed, Lower Sio sub-catchment	1,051,890	1,051,890
	Proposed Sub Projects in Uganda			
4.	BUDA	Madibira micro-catchment conservation	1,562,846	
5.		Nabongo micro catchment conservation	1,090,486	
6.		Yaala Singo micro-catchment conservation	892,020	3,545,352
7.	Bumasi	Rehabilitation of Buhehe-Masinya watershed	3,619,706	3,653,400
8.	Luma	Rehabilitation of Gusumo watershed	1,348,958	1,348,958
9.				
10.	Total Cost of the Lower Sio SCMP			14,188,257
Malaba-Malakisi-Mpologoma				
11.	Komiriai WRUA	Rehabilitation of Amoni Watershed	714,678	6,628,451
12.		Rehabilitation of Nyamatunga Watershed	1,104,862	

SMM SOCIO-ECON DEV + UGANDA MPOLOGOMA CMP

	Status	Project	Beneficiaries	Cost US\$x10 ⁶
24.	Feasibility undertaken	<u>Malaba</u> Cross Border Pollution Control		9.7
25.	Identification stage	<u>Lwakhakha</u> Cross Border Pollution Control	10,000	2
26.	Wetland management plan done by NBI/NTEAP	<u>Sio-Siteko</u> Wetland Restoration Project	5,000	8
27.	Project preparation only	<u>Lwakhakha</u> Sub Catchment Uganda Hot Spot Mapping Project	500,000	1.5
28.	Phase 1 undertaken, looking to increase by 200 ha	<u>Lukhuna</u> Small Scale Irrigation Scheme Project	1,000	0.2
29.	ditto	<u>Chepkaraam Suswo and Sitabicha</u> Irrigation demonstration projects	5,000	0.2
30.	Some elements under implementation by Victoria Water Management Zone and Lake Victoria North Catchment Area.	Lower <u>Sio</u> Shared Sub Catchment Management Plan	150,000	12.7
31.	Some elements under implementation by Kyoga Water Management Zone and Lake Victoria North Catchment	Middle <u>Malaba</u> Shared Sub Catchment Management Plan	1,000,000	10.7
32.	Design completed	<u>Malaba</u> Irrigation project Straddles Kenya-Uganda border. Initial area 300 ha Kenya, 100 ha Uganda. Future potential 300 ha <u>kenya</u> , 1000 ha Uganda	32,800	2.2
33.	Prefeasibility, (pullout from <u>Mpologoma</u> catchment management Plan)	Building Resilient Communities, Wetland Ecosystems and Associated Catchments	125,000	5.8
34.	Feasibility, detailed design	<u>Sio Sango</u> Irrigation Project		USD 37 million
35.	Prefeasibility	<u>Chebombai</u> SCMP	55,000	USD 1.3 million

WATER RESOURCES AUTHORITY (KENYA)



Name	beneficiaries	Cost
Sio Sango Irrigation Project		USD 37 million
Chebombai SCMP	55,000	USD 1.3 million
Kimwanga SCMP	36,000(2009)	Ksh 54 million (USD 540,000)
Malakisi SCMP	34,000 (1999) on Kenyan side only	KSh 30 million USD 300,000 (2012)
Mayanja SCMP	48,500 (2009)	KSh 50 million (USD 500,000)
Namatelema SCMP	5,000 (2009)	KSh 68 million (USD 0.7 million)
Sio SCMP	175,000 (2009)	KSh 185 million (USD 1,850,000)
Toloso SCMP	300, 000 (2009)	KSh 898 million (USD 9 million)
Upper Malakisi SCMP	18,600	Ksh 23.3 million (USD 233,000)

BUNGOMA COUNTY

		Beneficiaries	Cost (US\$)
Design	Kamneru – Namorio – Sitikho Water Project	121,039	7,712,000
Design	Kapsokwony – Maeni – Tongaren Water Project	127,179	10,574,000
Design	Teremi – Bokoli – Sangalo Water Project.	150,0322	9,920,000
Design	Kimobo – Kimilili – Webuye water Project	127,380	9,914,000
Design	Cheptais – Bungoma – Busia water project	178,887	9,320,000
Engineering design /costing	Kamusinga – Kamtiong irrigation Project	300 households	500,000
Full feasibility	Food Security Through Improved Agricultural Productivity (baseline infrastructure costs only)	2620 households	9,800,000
Project identification	Dam at River Tisi (Source for Cheptais – Chepkube - Lwakhakha - Malakisiwp)		5,000,000
ditto	Dam at River Malakisi (Source for Mt. Elgon-Bungoma-Busiawp)		15,000,000
„	Dam at river Terem (Source for Chepyuk-Chwele-Kibabiiwp)		500,0000
„	Dam at river Kimuryo (Source for Terem-Kapkateny-East Sang'alowp)		6,000,000
„	Dam at river Kibisi (Source for Kamneru-Namorio - stikhowp)		6,500,000
„	Dam at river Tabani (Source for Kimobo - Kamtiong-Kimilili –Webuyewp)		4,500,000
„	Atebei Dam at river kimilili (source for Kapsakwony-Maeni -Kamkuywa-Tongarenwp)		6,500,000
	Sosioteldet Dam at river Sosio (Source for Kaboywo-Kaptama-Kamkuywa-Tongarenwp)		13,000,000
Detailed quantities and costing	Dam rehabilitation: Sitabicha , Khayo, Sirende, Kamubokhoya, Khalaba,Muyayi, Kibisi Akola, Sosio, Magemo		4,000,000
	Kuywa irrigation scheme		3 222 420

KAKAMEGA & BUSIA COUNTIES

		Project	Beneficiaries	Cost
1.	Prefeasibility	Nakhosia Drainage & irrigation Project		
2.	Project identification	Sitabicha Irrigation Project	600	Ksh 20,000,000 (USD 200,000)
3.	"	Masuno Irrigation Project, Bumala	400	Ksh 5,000,000 (USD 50,000)
4.		Sio Sango (already considered in NELSAP SMM)		
5.	Prefeasibility	Malaba Irrigation Project	32,800 (2017)	KES 220 million; USD 2.2 million

No.	Project name	Location	Planning status
1.	Hilltops and hillsides protection Kakapel/Chelelemuk Hilltops, Amukura hilltops, Okuleu, Aloete)	Kenya	CIDP
3.	Amagoro –Amoni indigenous tree nursery, Changara-Chamasiri fruits tree nurseries	Kenya	CIDP
4.	Soil and water conservation	Kenya	CIDP
5.	Riverine protection (Bamboo promotion)	Kenya & Uganda	
7.	Afforestation (Schools greening project and forestry extension services)	Kenya	CIDP
8.	Sio-siteko swamp Management	Kenya & Uganda	Sio-Siteko EnvMP
9.	Wetlands protection in the Sub-catchment basin including Ochilit series of swamps along Malaba river	Kenya & Uganda	CIDP
10	Springs protection with indigenous trees	Kenya	CIDP
11.	Environmental education and awareness sensitization	Kenya/Uganda	CIDP
12.	Training of water resources users association, forest association, vulnerable groups	Kenya	CIDP
13.	Rehabilitation and restoration of sand harvesting sites/degraded sites-entire sub-catchment basin i.e. akiriamasit, Akibui area, Opechu stream, Agonget, Achunet, Malakisi river, Fly over area, Okuleu, Lukolis, Walatsi, Moding, Adumai, Kongololo, Kapesur etc.)	Kenya/ Uganda	CIDP

