

**DRAFT**

**Kenya Selected Rural Livelihoods Data Tables**

by

John Mims and Laurence Mathieu

**LADDER Working Paper No.29**

March 2003

## **ABOUT LADDER**

LADDER is a research project funded by the Policy Research Programme of the UK Department for International Development (DFID) that seeks to identify alternative routes by which the rural poor can climb out of poverty. LADDER is working with nearly 40 villages and 1,200 households in Uganda, Tanzania, Malawi and Kenya to discover the blocking and enabling agencies in the institutional environment facing rural people that hinder or help their quest for better standards of living for themselves and their families.

This working paper represents work-in-progress and the reader is advised that it has not been subjected to academic quality control, nor edited for errors of fact or interpretation. The paper forms part of a mosaic of research findings that will contribute towards an overall picture of rural livelihoods and micro-macro links to poverty policies in the case-study countries. The findings and views expressed here are solely the responsibility of the authors and are not attributable to DFID.

All available Working Papers and Village Reports can be downloaded from the project website: <http://www.uea.ac.uk/dev/odg/ladder/>, which also details other information about the project. For any further enquiries, please email [j.mims@uea.ac.uk](mailto:j.mims@uea.ac.uk).

## Kenya Selected Rural Livelihoods Data Tables

by

John Mims and Laurence Mathieu\*

### DESCRIPTION OF DATA SET

#### *Overview*

The purpose of this Working Paper is to provide a basic set of summary statistics arising from the LADDER sample survey work in Kenya. Interpretation of these data tables is facilitated by reference to LADDER Working Paper No.2, which provides the questionnaires from which the original data set was compiled.

The data underlying these tables were collected in two districts and ten villages of rural Kenya. The list of study locations and villages is summarised below, and a map showing their location is provided in Appendix A in this collection. The Suba district data were collected between June and August 2001 and the Bomet district data were collected during October and November 2002.

No	Village	Livelihood System	Sub-County	District	Study Location
28	Kapsoiyo	tea & pyrethrum	Bomet Central	Bomet	Bomet
29	Kiptunoi	maize & livestock	Songiroi		Bomet
30	Kiplabotwa	semi-arid maize	Sigor		Bomet
31	Mengit	semi-arid maize/millet	Longisa		Bomet
32	Siwot	hillside mixed crops	Longisa		Bomet
33	Nyapuodi	maize, beans, sorghum	Lambwe	Suba	Suba Inland
34	Makende	maize, beans, sorghum	Central		Suba Inland
35	Roo	fishing & farming	Central		Suba Lake
36	Gingo	fishing & farming	Central		Suba Lake
37	Nyaranda	fishing & farming	Mbita		Suba Lake

The general approach to sampling in each village was to utilise a PRA wealth ranking exercise in order to identify three wealth groups that acted as the sampling frame for a stratified random sample. With a list of households in each wealth group, 10 households were randomly chosen from each of the well-off and middle categories, and 15 households from the poor category, resulting in a sample size of 35 households for each village, and 350 households across the three study locations.

The purpose of the wealth ranking, aside from the perceptions about poverty and wealth gained from the exercise itself, was to ensure that the sample of 35 households drawn per village represented the full range of livelihood circumstances to be found in villages, rather than being accidentally clustered around the mode of the range. The

\* Overseas Development Group, University of East Anglia, Norwich NR4 7TJ, UK.  
Email addresses: [j.mims@uea.ac.uk](mailto:j.mims@uea.ac.uk) and [l.mathieu@uea.ac.uk](mailto:l.mathieu@uea.ac.uk)

decision to sample more households from the poor wealth category has the effect of slightly biasing the overall village sample towards the lower end of the wealth range, consistent with the intention of capturing especially the livelihood circumstances of the poorer members of village society in Kenya.

The procedure described was not designed to make inferences about the larger populations from which the samples were drawn, whether at study location or country levels. The purposive fieldwork selection procedure from study locations, to villages, and to households set out to identify and describe a range of livelihood patterns that were likely to contain within them the experiences of a substantial proportion of rural individuals and households in Kenya. However, no claims are made about the statistical representativeness of sample findings with respect to populations in the study locations that were studied nor for Kenya as a whole. Furthermore, since the sample data provided here have not been weighted yet, no attempt has been made to draw inferences about the village populations either.

As such, village and study location names used in these tables should be read as shorthand for 'village or study location sample', for example 'Suba Inland' refers only to the 70 households surveyed in that study location. For this reason, the number of households in each analysis is denoted by *N* rather than *n*.

In the data tables compiled here, *N* is always 35 households for each village, 70 households for 'Suba Inland' study location, 105 households for 'Suba Lake' study location, 175 households for 'Bomet' study location, and 350 households for the sample overall. Where households self-exclude from certain sub-samples due to particular characteristics that are being examined, then this is made clear in the table or in an accompanying footnote.

*Selected Statistical Definitions*

<b>Acronym</b>	<b>Full Name</b>	<b>Description</b>
EAAAs	Economically Active Adults	HH members aged 15-60 years, inclusive, regardless of gender, but excluding those still in education
AEUs	Adult Equivalent Units	Based on consumption: male 15 years or older = 1; female 15 years or older = 0.8; male or female 14 years or under = 0.5
CEUs	Cattle Equivalent Units	Based on market value ratios between livestock: Goats = 0.12; Sheep = 0.10; Chickens = 0.02; Pigs, Turkeys, Others = Actual price/Trimmed mean cattle price
	Per Capita Income	Net Total Household Income divided by resident AEUs
	Income Terciles or Quartiles	Calculated by ranking households from highest to lowest on the basis of per capita income, a) per study location and b) for the whole sample. In general, for 'farm' study location, terciles contain 23 HHs and quartiles 17 HHs; for 'fish-farm' study location, terciles contain 35 HHs and quartiles 26; for the whole sample, 58 HHs and 44 HHs respectively

*Asset Definitions Used in Constructing Asset Tables and Polygons*

**Tools of the Trade** value based index for ownership of axes, hoes, knives & sewing machines. Index is calculated per HH by:  
a) determine typical study location price for each tool  
b) for each HH, calculate no. of each tool X typical price  
c) sum values  
d) standardize total value by  
HH tool index = (total HH value of tools/maximum value within study location sample)X100

**Education** HH total years in education for resident EAAs. Education level reached taken as proxy for years on basis of None=0; StdIV=4; SdtIV=7; Secondary=12; Higher=16

**Livestock** Livestock holding in CEUs

**Boat & gear assets**

*Boat assets*

Asset index, calculated similarly to above:

Boat assets = No. owned (per type) x 5% trimmed mean current cost (per type). Standardised by: (HH value/max value) x 100

*Gear assets*

Asset index calculated on similar basis to above, except that missing gear nos. substituted with mean value (per type)

*Boat & gear assets*

Asset index calculated by

- a) for each HH, sum total value of boats and total value of gears
- b) calculate index from this by standardising as above

## Household Assets in Rural Kenya

### Key Household Assets

Table 1. Mean & Median Selected Assets, by Study Location

	Study Location				All	
		Suba Inland	Suba Lake	Bomet		
	<i>N</i>	70	105	175	350	
<u>HH Size</u>	Mean	5.63	5.19	5.95	5.66	
	<i>s.d.</i>	2.94	2.33	2.52	2.57	
	Median	5.00	5.00	6.00	5.00	
<u>Area owned (ha.)</u>	Mean	2.45	2.04	1.53	1.86	
	<i>s.d.</i>	2.43	2.01	1.58	1.94	
	Median	1.62	1.62	1.01	1.21	
<u>Tools</u>	Mean	11.48	6.21	5.19	6.75	
	<i>s.d.</i>	13.89	8.42	6.10	9.14	
	Median	12.88	2.16	1.77	2.16	
<u>Education</u>	Mean	14.10	15.48	14.26	14.59	
	<i>s.d.</i>	10.70	13.11	10.03	11.15	
	Median	14.00	14.00	14.00	14.00	
<u>Livestock</u>	Mean	6.43	4.81	3.68	4.57	
	<i>s.d.</i>	9.08	6.77	3.39	6.06	
	Median	3.34	2.48	3.00	3.04	
<u>Boats &amp; gears</u>		<i>(N</i>	0	47	0	47)
	Mean	.	6.49	.	6.49	
	<i>s.d.</i>	.	18.35	.	18.35	
	Median	.	.00	.	.00	

HH Size: Actual no. of residents

Tools: value based index

Education: Total no of years in education for resident EAAs, education level taken as proxy for years

Livestock: holding in CEUs

Boats & gears: value based index (data only apply to fishing HHs)

Table 2. Mean & Median Selected Assets, by Income Tercile

**Study Location: Suba Inland**

		Per capita income tercile			All	
		I	II	III		
		<i>N</i>	23	24	23	70
<u>HH Size</u>	Mean	5.96	5.46	5.48	5.63	
	<i>s.d.</i>	3.44	2.67	2.78	2.94	
	Median	6.00	6.00	5.00	5.00	
<u>Area owned (ha.)</u>	Mean	2.03	2.35	2.99	2.45	
	<i>s.d.</i>	1.66	2.32	3.09	2.43	
	Median	1.62	1.32	1.62	1.62	
<u>Tools</u>	Mean	9.46	9.52	15.54	11.48	
	<i>s.d.</i>	7.19	8.72	21.17	13.89	
	Median	12.79	12.88	13.36	12.88	
<u>Education</u>	Mean	14.96	13.88	13.48	14.10	
	<i>s.d.</i>	12.56	10.49	9.23	10.70	
	Median	14.00	14.00	14.00	14.00	
<u>Livestock</u>	Mean	4.92	6.48	7.88	6.43	
	<i>s.d.</i>	6.08	11.10	9.38	9.08	
	Median	3.30	3.16	5.02	3.34	

**Study Location: Suba Lake**

		Per capita income tercile			All	
		I	II	III		
		<i>N</i>	35	35	35	105
<u>HH Size</u>	Mean	5.66	5.03	4.89	5.19	
	<i>s.d.</i>	2.39	2.47	2.13	2.33	
	Median	5.00	5.00	5.00	5.00	
<u>Area owned (ha.)</u>	Mean	1.81	2.09	2.21	2.04	
	<i>s.d.</i>	1.34	2.55	1.99	2.01	
	Median	1.62	1.42	1.62	1.62	
<u>Tools</u>	Mean	4.22	7.62	6.78	6.21	
	<i>s.d.</i>	4.91	9.13	10.14	8.42	
	Median	1.95	2.33	2.16	2.16	
<u>Education</u>	Mean	14.17	15.57	16.69	15.48	
	<i>s.d.</i>	13.06	16.89	8.16	13.11	
	Median	11.00	11.00	18.00	14.00	
<u>Livestock</u>	Mean	3.83	4.65	5.95	4.81	
	<i>s.d.</i>	5.88	5.46	8.56	6.77	
	Median	2.10	3.20	2.48	2.48	
<u>Boats &amp; gears</u>	<i>N</i>	11	16	20	47	
	Mean	.00	1.14	14.33	6.49	
	<i>s.d.</i>	.00	3.52	26.32	18.35	
	Median	.00	.00	2.58	.00	

HH Size: Actual no. of residents

Tools: value based index

Education: Total no of years in education for resident EAAs, education level taken as proxy for years

Livestock: holding in CEUs

Boats & gears: value based index (data only apply to fishing HHs)

**Study Location: Bomet**

		Per capita income tercile			All	
		I	II	III		
		<i>N</i>	58	59	58	175
<u>HH Size</u>	Mean	5.69	6.51	5.64	5.95	
	<i>s.d.</i>	2.26	2.51	2.72	2.52	
	Median	5.00	7.00	5.00	6.00	
<u>Area owned (ha.)</u>	Mean	1.11	1.63	1.84	1.53	
	<i>s.d.</i>	1.31	1.48	1.85	1.58	
	Median	.79	1.21	1.21	1.01	
<u>Tools</u>	Mean	2.46	5.66	7.43	5.19	
	<i>s.d.</i>	3.67	5.97	7.12	6.10	
	Median	1.16	2.54	2.73	1.77	
<u>Education</u>	Mean	10.93	13.69	18.16	14.26	
	<i>s.d.</i>	7.98	9.08	11.50	10.03	
	Median	11.00	14.00	14.00	14.00	
<u>Livestock</u>	Mean	1.94	4.35	4.73	3.68	
	<i>s.d.</i>	2.05	3.57	3.64	3.39	
	Median	1.10	3.42	4.15	3.00	

**All**

		Per capita income tercile			All	
		I	II	III		
		<i>N</i>	117	117	116	350
<u>HH Size</u>	Mean	5.73	5.88	5.36	5.66	
	<i>s.d.</i>	2.52	2.70	2.48	2.57	
	Median	5.00	6.00	5.00	5.00	
<u>Area owned (ha.)</u>	Mean	1.53	1.95	2.12	1.86	
	<i>s.d.</i>	1.44	2.09	2.17	1.94	
	Median	1.01	1.42	1.53	1.21	
<u>Tools</u>	Mean	4.74	6.43	9.11	6.75	
	<i>s.d.</i>	5.68	7.72	12.30	9.14	
	Median	1.77	2.33	3.05	2.16	
<u>Education</u>	Mean	11.57	15.15	17.08	14.59	
	<i>s.d.</i>	9.03	12.03	11.54	11.15	
	Median	11.00	14.00	14.00	14.00	
<u>Livestock</u>	Mean	3.08	4.98	5.64	4.57	
	<i>s.d.</i>	3.92	6.87	6.70	6.06	
	Median	2.06	3.20	4.12	3.04	
<u>Boats &amp; gears</u>	<i>N</i>	6	18	23	47	
	Mean	.00	1.01	12.46	6.49	
	<i>s.d.</i>	.00	3.33	24.95	18.35	
	Median	.00	.00	.00	.00	

HH Size: Actual no. of residents

Tools: value based index

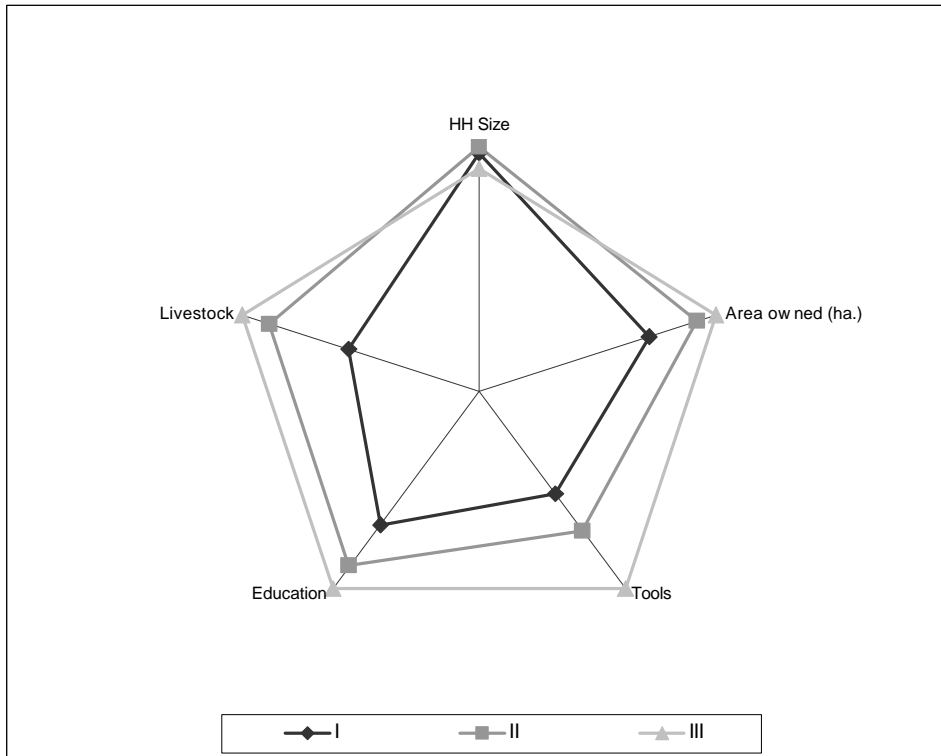
Education: Total no of years in education for resident EAAs, education level taken as proxy for years

Livestock: holding in CEUs

Boats & gears: value based index (data only apply to fishing HHs)



Figure 1. Selected Asset Levels by Income Tercile, Whole Sample



## Land

**Table 3. Land Owned and Farmed by Sample Households, by Village & Study Location**

Study Location	Village	Area owned (ha.)			
		N	Mean	s.d.	Median
<b>Suba Inland</b>	Nyapuodi	35	2.39	2.77	1.2
	Makende	35	2.47	2.09	1.6
	<u>All</u>	<u>70</u>	<u>2.43</u>	<u>2.44</u>	<u>1.5</u>
<b>Suba Lake</b>	Gingo	35	1.98	2.31	1.2
	Nyachebe	35	1.68	2.23	1.2
	Roo	35	2.45	1.33	2.0
	<u>All</u>	<u>105</u>	<u>2.04</u>	<u>2.01</u>	<u>1.6</u>
<b>Bomet</b>	Kapsoiyo	35	1.17	.85	.8
	Kiptunoi	35	1.58	2.28	.8
	Kiplabotwa	35	1.67	1.49	.9
	Mengit	35	1.97	1.86	1.6
	Siwot	35	1.11	.83	1.0
	<u>All</u>	<u>175</u>	<u>1.50</u>	<u>1.58</u>	<u>.9</u>
<b>All</b>		<u>350</u>	<u>1.85</u>	<u>1.94</u>	<u>1.2</u>

Study Location	Village	Area farmed (ha.)			
		N	Mean	s.d.	Median
<b>Suba Inland</b>	Nyapuodi	35	1.98	2.29	1.2
	Makende	35	2.12	2.03	1.4
	<u>All</u>	<u>70</u>	<u>2.05</u>	<u>2.15</u>	<u>1.2</u>
<b>Suba Lake</b>	Gingo	35	.99	.94	.8
	Nyachebe	35	1.08	.97	.8
	Roo	35	1.68	1.16	1.4
	<u>All</u>	<u>105</u>	<u>1.25</u>	<u>1.06</u>	<u>1.0</u>
<b>Bomet</b>	Kapsoiyo	35	1.20	.85	.9
	Kiptunoi	35	1.64	2.18	1.0
	Kiplabotwa	35	1.72	1.45	1.0
	Mengit	35	2.07	1.85	1.8
	Siwot	35	1.12	.83	1.2
	<u>All</u>	<u>175</u>	<u>1.55</u>	<u>1.55</u>	<u>1.1</u>
<b>All</b>		<u>350</u>	<u>1.56</u>	<u>1.59</u>	<u>1.0</u>

Table 4. Total Land Owned and Farmed\*, by Village and Study Location

		<i>N</i>	<u>Area farmed (ha.)</u>	<u>Area owned (ha.)</u>	<i>Farmed %</i>
<b>Suba Inland</b>	Nyapuodi	35	69.3	83.8	82.7
	Makende	35	74.1	86.4	85.7
	<u>All</u>	<u>70</u>	<u>143.4</u>	<u>170.2</u>	<u>84.2</u>
<b>Suba Lake</b>	Gingo	35	34.6	69.3	49.9
	Nyachebe	35	37.7	58.9	64.1
	Roo	35	58.9	85.6	68.8
	<u>All</u>	<u>105</u>	<u>131.2</u>	<u>213.7</u>	<u>61.4</u>
<b>Bomet</b>	Kapsoiyo	35	42.0	41.1	102.2
	Kiptunoi	35	57.4	55.4	103.6
	Kiplabotwa	35	60.1	58.3	103.1
	Mengit	35	72.3	69.1	104.7
	Siwot	35	39.3	38.8	101.3
	<u>All</u>	<u>175</u>	<u>271.2</u>	<u>262.8</u>	<u>103.2</u>
<b>All</b>		<u>350</u>	<u>545.7</u>	<u>646.7</u>	<u>84.4</u>

\*Total areas summed across all sample households

Table 5. Size Distribution of Land Owned, by Study Location

<u>Area Range</u>	<u>Study Location</u>			<u>All</u>
	<u>Suba Inland</u>	<u>Suba Lake</u>	<u>Bomet</u>	<u>%</u>
	<u>%</u>	<u>%</u>	<u>%</u>	
None	4.3		.6	1.1
Less than 0.5 ha.	5.7	18.1	23.4	18.3
0.5 - 1 ha.	18.6	10.5	26.3	20.0
1-2 ha.	30.0	35.2	23.4	28.3
2-3 ha.	14.3	16.2	14.9	15.1
3-5 ha.	14.3	15.2	8.6	11.7
More than 5 ha.	12.9	4.8	2.9	5.4
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Data are percentages of sample households

Table 6. Size Distribution of Area Farmed, by Study Location

<u>Area Range</u>	<u>Study Location</u>			<u>All</u>
	<u>Suba Inland</u>	<u>Suba Lake</u>	<u>Bomet</u>	<u>%</u>
	<u>%</u>	<u>%</u>	<u>%</u>	
None	1.4	3.8	.6	1.7
Less than 0.5 ha.	7.1	22.9	19.4	18.0
0.5 - 1 ha.	25.7	22.9	25.1	24.6
1-2 ha.	31.4	30.5	26.9	28.9
2-3 ha.	14.3	13.3	15.4	14.6
3-5 ha.	11.4	4.8	9.7	8.6
More than 5 ha.	8.6	1.9	2.9	3.7
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Data are percentages of sample households

Table 7. Size Distribution of Land Owned, by Village

**Study Location Suba Inland**

Area Range	Village		All
	Nyapuodi	Makende	%
	%	%	
None	5.7	2.9	4.3
Less than 0.5 ha.	2.9	8.6	5.7
0.5 - 1 ha.	20.0	17.1	18.6
1-2 ha.	34.3	25.7	30.0
2-3 ha.	14.3	14.3	14.3
3-5 ha.	8.6	20.0	14.3
More than 5 ha.	14.3	11.4	12.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households

**Study Location Suba Lake**

Area Range	Village			All
	Gingo	Nyachebe	Roo	%
	%	%	%	
None				
Less than 0.5 ha.	28.6	22.9	2.9	18.1
0.5 - 1 ha.	11.4	17.1	2.9	10.5
1-2 ha.	31.4	31.4	42.9	35.2
2-3 ha.	8.6	20.0	20.0	16.2
3-5 ha.	11.4	5.7	28.6	15.2
More than 5 ha.	8.6	2.9	2.9	4.8
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households

**Study Location Bomet**

Area Range	Village				All
	Kapsoiyo	Kiptunoi	Kiplabotwa	Siwot	%
	%	%	%	%	
None			2.9		.6
Less than 0.5 ha.	25.7	28.6	17.1	31.4	23.4
0.5 - 1 ha.	28.6	34.3	31.4	17.1	26.3
1-2 ha.	31.4	20.0	11.4	31.4	23.4
2-3 ha.	8.6	5.7	17.1	14.3	14.9
3-5 ha.	5.7	5.7	17.1	5.7	8.6
More than 5 ha.		5.7	2.9		2.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households

Table 8. Size Distribution of Area Farmed, by Village

**Study Location Suba Inland**

Area Range	Village		All
	Nyapuodi	Makende	%
	%	%	
None	2.9		1.4
Less than 0.5 ha.	2.9	11.4	7.1
0.5 - 1 ha.	31.4	20.0	25.7
1-2 ha.	34.3	28.6	31.4
2-3 ha.	11.4	17.1	14.3
3-5 ha.	8.6	14.3	11.4
More than 5 ha.	8.6	8.6	8.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households

**Study Location Suba Lake**

Area Range	Village			All
	Gingo	Nyachebe	Roo	%
	%	%	%	
None	11.4			3.8
Less than 0.5 ha.	28.6	31.4	8.6	22.9
0.5 - 1 ha.	22.9	22.9	22.9	22.9
1-2 ha.	20.0	34.3	37.1	30.5
2-3 ha.	11.4	8.6	20.0	13.3
3-5 ha.	5.7		8.6	4.8
More than 5 ha.		2.9	2.9	1.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households

**Study Location Bomet**

<u>Area Range</u>	Village					All
	<u>Kapsoiyo</u>	<u>Kiptunoi</u>	<u>Kiplabotwa</u>	<u>Mengit</u>	<u>Siwot</u>	%
	%	%	%	%	%	
None	2.9					.6
Less than 0.5 ha.	17.1	25.7	14.3	11.4	28.6	19.4
0.5 - 1 ha.	31.4	22.9	34.3	20.0	17.1	25.1
1-2 ha.	34.3	31.4	14.3	20.0	34.3	26.9
2-3 ha.	8.6	5.7	17.1	31.4	14.3	15.4
3-5 ha.	5.7	8.6	17.1	11.4	5.7	9.7
More than 5 ha.		5.7	2.9	5.7		2.9
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Data are percentages of sample households

Table 9. Mean Land Owned by Income Quartiles, by Study Location

Study Location	Per capita income quartile					All
	I	II	III	IV		
	<i>N</i>	17	18	18	17	70
<b>Suba Inland</b>	Mean	2.2	1.6	2.9	3.1	2.4
	<i>s.d.</i>	1.8	1.2	2.6	3.5	2.4
	Median	1.6	1.2	2.0	1.6	1.5
	<i>N</i>	26	26	27	26	105
<b>Suba Lake</b>	Mean	1.8	1.9	2.5	2.0	2.0
	<i>s.d.</i>	1.3	1.9	2.9	1.5	2.0
	Median	1.6	1.4	1.6	1.6	1.6
	<i>N</i>	44	44	44	43	175
<b>Bomet</b>	Mean	1.1	1.3	1.7	1.9	1.5
	<i>s.d.</i>	1.4	1.0	1.7	2.0	1.6
	Median	.7	1.0	1.3	1.2	.9
	<i>N</i>	87	88	88	87	350
<b>All</b>	Mean	1.4	1.8	2.0	2.2	1.8
	<i>s.d.</i>	1.5	1.7	2.2	2.2	1.9
	Median	.9	1.2	1.4	1.6	1.2



Table 10. Land Use by Sample Households, by Study Location and Total

	Area (ha.)							
	Study Location						All	
	Suba Inland		Suba Lake		Bomet		Sum	%
	Sum	%	Sum	%	Sum	%		
Maize	24.1	13.5	19.1	8.7	39.8	14.5	83.0	12.4
Maize & sorghum	31.4	17.6	44.1	20.1	1.2	.4	76.7	11.4
Maize & pulses	32.8	18.4	.8	.4	31.5	11.5	65.1	9.7
Maize & millet	2.6	1.5	27.5	12.6	.4	.1	30.6	4.5
Other maize mix	2.4	1.4	2.5	1.1	11.4	4.1	16.3	2.4
Sorghum	27.5	15.5	18.0	8.2	.2	.1	45.7	6.8
Millet	2.2	1.3	17.5	8.0	.	.	19.7	2.9
Other food crop/mix	14.3	8.0	1.6	.7	13.3	4.9	29.2	4.4
Livestock uses	3.2	1.8	.	.	165.7	60.3	168.9	25.1
Other non-food	4.5	2.5	.	.	7.7	2.8	12.2	1.8
Idle	30.9	17.3	81.7	37.3	1.7	.6	114.3	17.0
Rented out	.4	.2	6.1	2.8	1.3	.5	7.8	1.2
Unspecified	1.8	1.0	.	.	.4	.1	2.2	.3
<b>Total</b>	<b>178.1</b>	<b>100.0</b>	<b>219.0</b>	<b>100.0</b>	<b>274.5</b>	<b>100.0</b>	<b>671.6</b>	<b>100.0</b>

Sum: area summed across all sample households  
 %: percentage of total area

Table 11. Land Use by Sample Households, by Village

Study Location: Suba Inland

	Area (ha.)					
	Village				All	
	Nyapuodi		Makende		Sum	%
	Sum	%	Sum	%		
Maize	9.5	11.1	14.6	15.7	24.1	13.5
Maize & sorghum	4.2	5.0	27.1	29.3	31.4	17.6
Maize & pulses	23.9	28.0	8.9	9.6	32.8	18.4
Maize & millet	.	.	2.6	2.8	2.6	1.5
Other maize mix	2.4	2.8	.	.	2.4	1.4
Sorghum	14.2	16.6	13.4	14.4	27.5	15.5
Millet	.	.	2.2	2.4	2.2	1.3
Other food crop/mix	9.8	11.5	4.5	4.8	14.3	8.0
Livestock uses	3.2	3.8	.	.	3.2	1.8
Other non-food	3.6	4.3	.8	.9	4.5	2.5
Idle	14.1	16.5	16.8	18.1	30.9	17.3
Rented out	.4	.5	.	.	.4	.2
Unspecified	.	.	1.8	2.0	1.8	1.0
<b>Total</b>	<b>85.4</b>	<b>100.0</b>	<b>92.7</b>	<b>100.0</b>	<b>178.1</b>	<b>100.0</b>

Sum: area summed across all sample households  
%: percentage of total area

Study Location: Suba Lake

	Area (ha.)							
	Village				All			
	Gingo		Nyachebe		Roo		Sum	%
	Sum	%	Sum	%	Sum	%		
Maize	7.0	9.5	3.0	5.1	9.1	10.6	19.1	8.7
Maize & sorghum	15.4	20.9	18.0	30.1	10.7	12.5	44.1	20.1
Maize & pulses	.	.	.8	1.4	.	.	.8	.4
Maize & millet	6.7	9.1	8.5	14.2	12.3	14.4	27.5	12.6
Other maize mix	.	.	.9	1.5	1.6	1.9	2.5	1.1
Sorghum	2.4	3.3	4.0	6.8	11.5	13.5	18.0	8.2
Millet	2.8	3.9	1.9	3.2	12.7	14.9	17.5	8.0
Other food crop/mix	.3	.4	.5	.8	.8	.9	1.6	.7
Idle	39.0	53.0	17.9	29.9	24.9	29.1	81.7	37.3
Rented out	.	.	4.2	7.1	1.8	2.1	6.1	2.8
<b>Total</b>	<b>73.6</b>	<b>100.0</b>	<b>59.9</b>	<b>100.0</b>	<b>85.6</b>	<b>100.0</b>	<b>219.0</b>	<b>100.0</b>

Sum: area summed across all sample households  
%: percentage of total area

**Study Location: Bomet**

	Area (ha.)					
	Village					
	Kapsoiyo		Kiptunoi		Kiplabotwa	
	Sum	%	Sum	%	Sum	%
Maize	5.1	12.2	11.7	19.6	5.8	9.7
Maize & sorghum	.	.	.	.	.6	.9
Maize & pulses	5.3	12.5	2.0	3.4	8.0	13.2
Maize & millet	.4	1.0	.	.	.	.
Other maize mix	1.2	2.8	5.9	9.9	1.1	1.8
Sorghum	.	.	.	.	.	.
Other food crop/mix	2.7	6.3	4.5	7.4	2.2	3.6
Livestock uses	20.9	49.4	33.1	55.3	42.4	70.4
Other non-food	6.4	15.1	.1	.2	.2	.3
Idle	.	.	1.5	2.5	.	.
Rented out	.3	.7	1.0	1.7	.	.
Unspecified	.	.	.	.	.	.
<b>Total</b>	<b>42.3</b>	<b>100.0</b>	<b>59.9</b>	<b>100.0</b>	<b>60.1</b>	<b>100.0</b>

Sum: area summed across all sample households  
%: percentage of total area

**Study Location: Bomet (contd.)**

	Area (ha.)					
	Village				All	
	Mengit		Siwot		Sum	%
	Sum	%	Sum	%	Sum	%
Maize	12.2	16.8	4.8	12.3	39.8	14.5
Maize & sorghum	.	.	.6	1.5	1.2	.4
Maize & pulses	8.9	12.2	7.3	18.6	31.5	11.5
Maize & millet	.	.	.	.	.4	.1
Other maize mix	1.0	1.4	2.2	5.7	11.4	4.1
Sorghum	.	.	.2	.5	.2	.1
Other food crop/mix	2.7	3.7	1.4	3.5	13.3	4.9
Livestock uses	47.1	64.6	22.2	56.4	165.7	60.3
Other non-food	.4	.6	.6	1.5	7.7	2.8
Idle	.2	.3	.	.	1.7	.6
Rented out	.	.	.	.	1.3	.5
Unspecified	.4	.6	.	.	.4	.1
<b>Total</b>	<b>72.9</b>	<b>100.0</b>	<b>39.3</b>	<b>100.0</b>	<b>274.5</b>	<b>100.0</b>

Sum: area summed across all sample households  
%: percentage of total area

## Livestock

Table 12. Livestock Ownership by Sample Households, by Study Location

	Study Location			All
	Suba Inland	Suba Lake	Bomet	
	%	%	%	%
<u>Cattle</u>	75.7	60.0	77.1	71.7
<u>Chickens</u>	84.3	82.9	77.1	80.3
<u>Donkeys</u>	.0	1.0	12.0	6.3
<u>Goats</u>	45.7	57.1	42.3	47.4
<u>Pigs</u>	1.4	.0	.0	.3
<u>Sheep</u>	15.7	2.9	25.7	16.9
<u>Turkeys</u>	2.9	1.0	.0	.9
<u>None</u>	11.4	7.6	4.6	6.9

Data are study location level percentages of sample households owning each type of livestock at the time of the survey

Table 13. Livestock Ownership by Sample Households, by Village

**Study Location Suba Inland**

	Village		All
	Nyapuodi	Makende	%
	%	%	
Cattle	65.7	85.7	75.7
Chickens	77.1	91.4	84.3
Goats	20.0	71.4	45.7
Pigs	2.9		1.4
Sheep	20.0	11.4	15.7
Turkeys	5.7		2.9
None	17.1	5.7	11.4

Data are village-level percentages of sample households owning each type of livestock at the time of the survey

**Study Location Suba Lake**

	Village			All
	Gingo	Nyachebe	Roo	%
	%	%	%	
Cattle	48.6	62.9	68.6	60.0
Chickens	80.0	85.7	82.9	82.9
Donkeys		2.9		1.0
Goats	57.1	68.6	45.7	57.1
Sheep		5.7	2.9	2.9
Turkeys	2.9			1.0
None	17.1	2.9	2.9	7.6

Data are village-level percentages of sample households owning each type of livestock at the time of the survey

**Study Location Bomet**

	Village					All
	Kapsoiyo	Kiptunoi	Kiplabotwa	Mengit	Siwot	%
	%	%	%	%	%	
Cattle	74.3	77.1	74.3	74.3	85.7	77.1
Chickens	62.9	68.6	88.6	85.7	80.0	77.1
Donkeys	22.9	2.9	8.6	11.4	14.3	12.0
Goats	11.4	37.1	68.6	65.7	28.6	42.3
Sheep	22.9	37.1	42.9	11.4	14.3	25.7
None	11.4	2.9	2.9	2.9	2.9	4.6

Data are village-level percentages of sample households owning each type of livestock at the time of the survey

**Table 14. Count Distribution of Cattle, Chickens and Goats Owned by Households, by Study Location**

		Study Location			All
		Suba Inland	Suba Lake	Bomet	%
		%	%	%	
<b>Cattle</b>	None	24.3	40.0	22.9	28.3
	1	7.1	4.8	13.1	9.4
	2	7.1	11.4	14.3	12.0
	3	18.6	5.7	12.0	11.4
	4	8.6	10.5	10.3	10.0
	5	4.3	4.8	7.4	6.0
	6-10	17.1	11.4	17.1	15.4
	More than 10	12.9	11.4	2.9	7.4
	<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Chickens</b>	None	15.7	17.1	22.9	19.7
	1	4.3	1.9	6.3	4.6
	2	1.4	1.9	6.9	4.3
	3	4.3	4.8	5.7	5.1
	4	2.9	6.7	12.0	8.6
	5	5.7	3.8	8.6	6.6
	6-10	24.3	33.3	19.4	24.6
	More than 10	41.4	30.5	18.3	26.6
	<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
<b>Goats</b>	None	54.3	42.9	57.7	52.6
	1	1.4	4.8	6.3	4.9
	2	7.1	5.7	8.6	7.4
	3	5.7	7.6	6.9	6.9
	4	2.9	6.7	4.6	4.9
	5	2.9	5.7	4.6	4.6
	6-10	14.3	11.4	10.9	11.7
	More than 10	11.4	15.2	.6	7.1
	<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of sample households owning each type of livestock at the time of the survey

Table 15. Mean Livestock Owned by Households, by Study Location

		Study Location			All
		Suba Inland	Suba Lake	Bomet	
	<i>N</i>	70	105	175	350
<u>Cattle</u>	Mean	5.51	4.09	3.19	3.93
	<i>s.d.</i>	8.02	6.29	3.10	5.48
	Median	3.00	2.00	2.00	3.00
<u>Chickens</u>	Mean	12.43	8.44	6.05	8.04
	<i>s.d.</i>	13.59	7.04	6.73	8.93
	Median	10.00	8.00	4.00	6.00
<u>Donkeys</u>	Mean	.00	.04	.17	.09
	<i>s.d.</i>	.00	.39	.49	.41
	Median	.00	.00	.00	.00
<u>Goats</u>	Mean	3.93	4.33	1.72	2.95
	<i>s.d.</i>	6.70	6.77	2.62	5.24
	Median	.00	2.00	.00	.00
<u>Pigs</u>	Mean	.11	.00	.00	.02
	<i>s.d.</i>	.96	.00	.00	.43
	Median	.00	.00	.00	.00
<u>Sheep</u>	Mean	1.84	.27	1.11	1.01
	<i>s.d.</i>	6.31	1.85	2.36	3.46
	Median	.00	.00	.00	.00
<u>Turkeys</u>	Mean	.06	.01	.00	.01
	<i>s.d.</i>	.34	.10	.00	.16
	Median	.00	.00	.00	.00

Data refer to livestock owned at time of survey

**Table 16. Mean Livestock Assets in Cattle Equivalent Units\*, by Village and Study Location**

Study Location	Village	N	Mean	s.d.	Median
<b>Suba Inland</b>	Nyapuodi	35	4.83	7.39	2.06
	Makende	35	8.02	10.36	4.54
	<b>All</b>	<b>70</b>	<b>6.43</b>	<b>9.08</b>	<b>3.34</b>
<b>Suba Lake</b>	Gingo	35	4.34	5.71	2.10
	Nyachebe	35	5.32	7.80	2.48
	Roo	35	4.78	6.78	3.20
	<b>All</b>	<b>105</b>	<b>4.81</b>	<b>6.77</b>	<b>2.48</b>
<b>Bomet</b>	Kapsoiyo	35	2.84	2.79	2.02
	Kiptunoi	35	3.56	3.61	2.26
	Kiplabotwa	35	4.21	3.67	3.36
	Mengit	35	4.51	4.26	4.30
	Siwot	35	3.26	2.13	3.12
<b>All</b>	<b>175</b>	<b>3.68</b>	<b>3.39</b>	<b>3.00</b>	
<b>All</b>		<b>350</b>	<b>4.57</b>	<b>6.06</b>	<b>3.04</b>

\*CEUs (cattle equivalent units): Donkeys = 0.26; Goats = 0.12; Sheep = 0.10; Pigs = 0.07; Turkeys = 0.03; Chickens = 0.02  
Data refer to livestock owned at time of survey

**Table 17. Count Distribution of Livestock Assets in Cattle Equivalent Units\*, by Study Location**

CEU range	Study Location			All
	Suba Inland	Suba Lake	Bomet	%
None	11.4	7.6	4.6	6.9
Less than 0.5	10.0	21.0	14.9	15.7
0.5-1	.0	5.7	5.7	4.6
1-5	41.4	34.3	45.1	41.1
5-10	20.0	19.0	24.0	21.7
More than 10	17.1	12.4	5.7	10.0
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\*CEUs (cattle equivalent units): Donkeys = 0.26; Goats = 0.12; Sheep = 0.10; Pigs = 0.07; Turkeys = 0.03; Chickens = 0.02  
Data are percentages of sample households



**Table 18. Mean Livestock Assets in Cattle Equivalent Units\*, by Income Quartile by Study Location**

Study Location	Per capita income quartile					All
	I	II	III	IV		
	<i>N</i>	17	18	18	17	70
<b>Suba Inland</b>	Mean	4.68	3.53	9.78	7.70	6.43
	<i>s.d.</i>	6.49	3.95	12.59	10.06	9.08
	Median	3.14	3.11	4.61	5.02	3.34
	<i>N</i>	26	26	27	26	105
<b>Suba Lake</b>	Mean	2.87	4.49	6.99	4.82	4.81
	<i>s.d.</i>	3.66	6.70	8.91	6.36	6.77
	Median	1.66	3.04	4.12	2.31	2.48
	<i>N</i>	44	44	44	43	175
<b>Bomet</b>	Mean	1.60	4.18	4.11	4.84	3.68
	<i>s.d.</i>	1.53	3.57	3.59	3.54	3.39
	Median	1.05	3.35	2.31	4.16	3.00
	<i>N</i>	87	88	88	87	350
<b>All</b>	Mean	2.85	4.31	5.16	5.95	4.57
	<i>s.d.</i>	3.96	5.53	6.58	7.31	6.06
	Median	2.00	3.04	3.79	4.12	3.04

\*CEUs (cattle equivalent units): Donkeys = 0.26; Goats = 0.12; Sheep = 0.10; Pigs = 0.07; Turkeys = 0.03; Chickens = 0.02  
Data refer to livestock owned at time of survey

## Labour, Education and Domestic Assets

Table 19. Household Demographic and Education Data, by Study Location

		Study Location			All
		Suba Inland	Suba Lake	Bomet	
	<i>N</i>	70	105	175	350
<u>HH Size: Actual (residents)</u>	Mean	5.63	5.19	5.95	5.66
	<i>s.d.</i>	2.94	2.33	2.52	2.57
	Median	5.0	5.0	6.0	5.0
<u>HH Size: EAAs (residents)</u>	Mean	2.00	2.25	1.98	2.06
	<i>s.d.</i>	1.40	1.35	1.02	1.21
	Median	2.0	2.0	2.0	2.0
<u>HH Size: AEU's (residents)</u>	Mean	4.02	3.82	4.12	4.01
	<i>s.d.</i>	2.09	1.73	1.73	1.81
	Median	3.8	3.6	3.8	3.8
<u>HH Non-Residents</u>	Mean	1.40	.73	.45	.73
	<i>s.d.</i>	1.66	1.35	.77	1.23
	Median	1.0	.0	.0	.0
<u>Age of HH Head</u>	Mean	49.04	46.41	45.14	46.30
	<i>s.d.</i>	16.14	14.49	15.78	15.51
	Median	46.5	45.0	41.0	43.0
<u>Gender of HH Head</u>	% male	68.6	73.3	71.4	71.4
	% female	31.4	26.7	28.6	28.6
<u>Education of HH Head (years)</u>	Mean	6.16	6.11	6.94	6.54
	<i>s.d.</i>	4.18	4.18	4.43	4.31
	Median	7.0	7.0	7.0	7.0
<u>Education of HH: All Resident EAAs (years)</u>	Mean	14.10	15.48	14.26	14.59
	<i>s.d.</i>	10.70	13.11	10.03	11.15
	Median	14.0	14.0	14.0	14.0
<u>Education HH per capita (resident EAAs)</u>	Mean	6.25	5.99	6.66	6.38
	<i>s.d.</i>	3.65	3.39	3.46	3.48
	Median	7.0	6.4	7.0	7.0

Notes:

1. HH Size (Actual): Total no. of adults & children in HH
2. EAAs (Economically Active Adults): those aged 15-60 inclusive, except those in education
3. AEU's (Adult Equivalent Units on basis of consumption): male 15 years or older=1; female 15 years or older=0.8; male or female 14 years or under=0.5
4. HH head: in de facto female headed households, these data relate to the absent (male) head
5. Years in education: level reached taken as proxy for years on basis of:  
None=0; Std IV=4; Std VII=7; Secondary=12; Post secondary=16
6. Female HH Head: HHs where a) female entered on survey form as HHH (but excluding cases where there is a resident husband listed as well); b) female entered as 'Wife', but no resident husband; c) nobody entered as HHH, no husband listed

Table 20. Household Demographic and Education Data, by Village and Study Location

**Study Location: Suba Inland**

	Village			All
		Nyapuodi	Makende	
	<i>N</i>	35	35	70
<u>HH Size: Actual (residents)</u>	Mean	5.11	6.14	5.63
	<i>s.d.</i>	2.78	3.05	2.94
	Median	5.0	6.0	5.0
<u>HH Size: EAAs (residents)</u>	Mean	1.97	2.03	2.00
	<i>s.d.</i>	1.79	.89	1.40
	Median	2.0	2.0	2.0
<u>HH Size: AEU's (residents)</u>	Mean	3.68	4.36	4.02
	<i>s.d.</i>	2.15	2.01	2.09
	Median	3.3	4.1	3.8
<u>HH Non-Residents</u>	Mean	1.14	1.66	1.40
	<i>s.d.</i>	1.65	1.66	1.66
	Median	.0	1.0	1.0
<u>Age of HH Head</u>	Mean	49.06	49.03	49.04
	<i>s.d.</i>	17.25	15.21	16.14
	Median	45.0	49.0	46.5
<u>Gender of HH Head</u>	% male	62.9	74.3	68.6
	% female	37.1	25.7	31.4
<u>Education of HH Head (years)</u>	Mean	5.69	6.63	6.16
	<i>s.d.</i>	4.19	4.17	4.18
	Median	7.0	7.0	7.0
<u>Education of HH: All Resident EAAs (years)</u>	Mean	13.66	14.54	14.10
	<i>s.d.</i>	12.63	8.51	10.70
	Median	14.0	14.0	14.0
<u>Education HH per capita (resident EAAs)</u>	Mean	5.88	6.62	6.25
	<i>s.d.</i>	3.88	3.43	3.65
	Median	7.0	7.0	7.0

Notes:

1. HH Size (Actual): Total no. of adults & children in HH
2. EAAs (Economically Active Adults): those aged 15-60 inclusive, except those in education
3. AEU's (Adult Equivalent Units on basis of consumption): male 15 years or older=1; female 15 years or older=0.8; male or female 14 years or under=0.5
4. HH head: in de facto female headed households, these data relate to the absent (male) head
5. Years in education: level reached taken as proxy for years on basis of: None=0; Std IV=4; Std VII=7; Secondary=12; Post secondary=16
6. Female HH Head: HHs where a) female entered on survey form as HHH (but excluding cases where there is a resident husband listed as well); b) female entered as 'Wife', but no resident husband; c) nobody entered as HHH, no husband listed

**Study Location: Suba Lake**

		Village			All
		Gingo	Nyachebe	Roo	
	<i>N</i>	35	35	35	105
<u>HH Size: Actual (residents)</u>	Mean	5.74	4.97	4.86	5.19
	<i>s.d.</i>	2.42	2.49	2.03	2.33
	Median	6.0	4.0	5.0	5.0
<u>HH Size: EAAs (residents)</u>	Mean	2.20	2.66	1.89	2.25
	<i>s.d.</i>	1.41	1.61	.83	1.35
	Median	2.0	2.0	2.0	2.0
<u>HH Size: AEU's (residents)</u>	Mean	4.13	3.89	3.44	3.82
	<i>s.d.</i>	1.73	2.02	1.36	1.73
	Median	3.8	3.3	3.4	3.6
<u>HH Non-Residents</u>	Mean	.89	.60	.71	.73
	<i>s.d.</i>	1.57	1.24	1.25	1.35
	Median	.0	.0	.0	.0
<u>Age of HH Head</u>	Mean	46.34	45.63	47.26	46.41
	<i>s.d.</i>	14.26	16.56	12.77	14.49
	Median	45.0	42.0	47.0	45.0
<u>Gender of HH Head</u>	% male	82.9	74.3	62.9	73.3
	% female	17.1	25.7	37.1	26.7
	Median	1.0	1.0	1.0	1.0
<u>Education of HH Head (years)</u>	Mean	5.23	6.14	6.97	6.11
	<i>s.d.</i>	3.52	3.27	5.37	4.18
	Median	7.0	7.0	7.0	7.0
<u>Education of HH: All Resident EAAs (years)</u>	Mean	14.11	19.06	13.26	15.48
	<i>s.d.</i>	12.33	16.33	9.30	13.11
	Median	14.0	14.0	14.0	14.0
<u>Education HH per capita (resident EAAs)</u>	Mean	5.36	6.45	6.15	5.99
	<i>s.d.</i>	3.28	2.67	4.08	3.39
	Median	6.3	7.0	5.8	6.4

Notes:

1. HH Size (Actual): Total no. of adults & children in HH
2. EAAs (Economically Active Adults): those aged 15-60 inclusive, except those in education
3. AEU's (Adult Equivalent Units on basis of consumption): male 15 years or older=1; female 15 years or older=0.8; male or female 14 years or under=0.5
4. HH head: in de facto female headed households, these data relate to the absent (male) head
5. Years in education: level reached taken as proxy for years on basis of: None=0; Std IV=4; Std VII=7; Secondary=12; Post secondary=16
6. Female HH Head: HHs where a) female entered on survey form as HHH (but excluding cases where there is a resident husband listed as well); b) female entered as 'Wife', but no resident husband; c) nobody entered as HHH, no husband listed

Study Location: Bomet

	N	Village					All
		Kapsoiyo	Kiptunoi	Kiplabotwa	Mengit	Siwot	
		35	35	35	35	35	175
<u>HH Size: Actual (residents)</u>	Mean	6.69	6.49	5.29	5.86	5.43	5.95
	s.d.	2.81	3.08	2.12	2.28	1.97	2.52
	Median	6.0	6.0	5.0	6.0	5.0	6.0
<u>HH Size: EAAs (residents)</u>	Mean	2.51	1.57	2.03	1.77	2.00	1.98
	s.d.	1.09	.81	1.04	.91	1.00	1.02
	Median	2.0	2.0	2.0	2.0	2.0	2.0
<u>HH Size: AEUs (residents)</u>	Mean	4.65	4.39	3.66	4.02	3.90	4.12
	s.d.	1.80	2.08	1.51	1.63	1.48	1.73
	Median	4.1	4.1	3.3	3.8	3.6	3.8
<u>HH Non-Residents</u>	Mean	.46	.40	.51	.29	.60	.45
	s.d.	.85	.74	.70	.52	.98	.77
	Median	.0	.0	.0	.0	.0	.0
<u>Age of HH Head</u>	Mean	47.66	44.60	41.09	45.91	46.46	45.14
	s.d.	14.40	16.24	15.37	17.63	15.20	15.78
	Median	45.0	41.0	35.0	42.0	44.0	41.0
<u>Gender of HH Head</u>	% male	77.1%	71.4%	68.6%	68.6%	71.4%	71.4%
	% female	22.9%	28.6%	31.4%	31.4%	28.6%	28.6%
<u>Education of HH Head (years)</u>	Mean	6.60	6.11	7.20	6.49	8.31	6.94
	s.d.	4.92	5.17	3.75	4.74	3.15	4.43
	Median	7.0	7.0	7.0	7.0	7.0	7.0
<u>Education of HH: All Resident EAAs (years)</u>	Mean	19.86	8.97	15.23	12.34	14.89	14.26
	s.d.	11.18	8.82	9.50	9.01	8.61	10.03
	Median	15.0	7.0	14.0	11.0	14.0	14.0
<u>Education HH per capita (resident EAAs)</u>	Mean	7.91	5.01	7.35	5.97	7.08	6.66
	s.d.	3.44	4.00	2.78	3.52	2.78	3.46
	Median	7.0	7.0	7.0	7.0	7.0	7.0

Notes:

1. HH Size (Actual): Total no. of adults & children in HH
2. EAAs (Economically Active Adults): those aged 15-60 inclusive, except those in education
3. AEUs (Adult Equivalent Units on basis of consumption): male 15 years or older=1; female 15 years or older=0.8; male or female 14 years or under=0.5
4. HH head: in de facto female headed households, these data relate to the absent (male) head
5. Years in education: level reached taken as proxy for years on basis of: None=0; Std IV=4; Std VII=7; Secondary=12; Post secondary=16
6. Female HH Head: HHs where a) female entered on survey form as HHH (but excluding cases where there is a resident husband listed as well); b) female entered as 'Wife', but no resident husband; c) nobody entered as HHH, no husband listed

Table 21. Household Education Level\*, by Income Quartile, by Study Location

Study Location		Per capita income quartile				All
		I	II	III	IV	
	<i>N</i>	17	18	18	17	70
Suba Inland	Mean	15.24	12.50	15.78	12.88	14.10
	<i>s.d.</i>	14.62	9.76	7.83	10.25	10.70
	Median	14.0	14.0	16.5	14.0	14.0
	<i>N</i>	26	26	27	26	105
Suba Lake	Mean	9.23	17.38	19.48	15.65	15.48
	<i>s.d.</i>	7.58	14.31	17.49	8.52	13.11
	Median	9.0	14.0	18.0	15.0	14.0
	<i>N</i>	44	44	44	43	175
Bomet	Mean	10.34	12.73	14.27	19.81	14.26
	<i>s.d.</i>	7.62	8.32	10.30	11.29	10.03
	Median	7.5	14.0	14.0	15.0	14.0
	<i>N</i>	87	88	88	87	350
All	Mean	11.61	13.53	15.38	17.85	14.59
	<i>s.d.</i>	9.66	10.41	13.28	10.08	11.15
	Median	11.0	13.0	14.0	16.0	14.0

\*Household education: Total years in education for all resident EAAs  
Level reached taken as proxy as in above tables

Table 22. Education Level Reached, by Gender and Study Location

Study Location	Education level reached	Gender of the resident HH member				All	
		Male		Female		Count	%
		Count	%	Count	%		
Suba Inland	None			12	15.6	12	8.6
	Std IV	5	7.9	12	15.6	17	12.1
	Std VII	41	65.1	44	57.1	85	60.7
	Secondary	16	25.4	7	9.1	23	16.4
	Post secondary	1	1.6	2	2.6	3	2.1
	<b>Total</b>	<b>63</b>	<b>100.0</b>	<b>77</b>	<b>100.0</b>	<b>140</b>	<b>100.0</b>
Suba Lake	None	4	3.4	23	19.5	27	11.4
	Std IV	7	5.9	28	23.7	35	14.8
	Std VII	68	57.6	55	46.6	123	52.1
	Secondary	36	30.5	12	10.2	48	20.3
	Post secondary	3	2.5			3	1.3
	<b>Total</b>	<b>118</b>	<b>100.0</b>	<b>118</b>	<b>100.0</b>	<b>236</b>	<b>100.0</b>
Bomet	None	8	5.0	31	16.6	39	11.3
	Std IV	19	11.9	17	9.1	36	10.4
	Std VII	83	52.2	110	58.8	193	55.8
	Secondary	37	23.3	25	13.4	62	17.9
	Post secondary	12	7.5	4	2.1	16	4.6
	<b>Total</b>	<b>159</b>	<b>100.0</b>	<b>187</b>	<b>100.0</b>	<b>346</b>	<b>100.0</b>
All	None	12	3.5	66	17.3	78	10.8
	Std IV	31	9.1	57	14.9	88	12.2
	Std VII	192	56.5	209	54.7	401	55.5
	Secondary	89	26.2	44	11.5	133	18.4
	Post secondary	16	4.7	6	1.6	22	3.0
	<b>Total</b>	<b>340</b>	<b>100.0</b>	<b>382</b>	<b>100.0</b>	<b>722</b>	<b>100.0</b>

Data are counts and percentages of resident EAAs

Table 23. Selected Domestic Assets, by Village, Study Location and Total

<u>Study Location</u>	<u>Village</u>	<u>Concrete/ brick walls</u>	<u>Iron roof</u>	<u>Bicycles</u>
		%	%	%
<b>Suba Inland</b>	Nyapuodi	5.7	54.3	31.4
	Makende	11.4	68.6	48.6
	<u>All</u>	<u>8.6</u>	<u>61.4</u>	<u>40.0</u>
<b>Suba Lake</b>	Gingo	8.6	48.6	42.9
	Nyachebe	8.6	51.4	57.1
	Roo	14.3	85.7	45.7
	<u>All</u>	<u>10.5</u>	<u>61.9</u>	<u>48.6</u>
<b>Bomet</b>	Kapsoiyo	11.4	94.3	14.3
	Kiptunoi	2.9	37.1	22.9
	Kiplabotwa	5.7	42.9	42.9
	Mengit	.0	34.3	25.7
	Siwot	2.9	60.0	17.1
	<u>All</u>	<u>4.6</u>	<u>53.7</u>	<u>24.6</u>
<b>All</b>		<u>7.1</u>	<u>57.7</u>	<u>34.9</u>

Data are village and study location level percentages of sample households with each asset

## Constructing Livelihoods in Rural Kenya Subsistence

Table 24. Output Share Selected Crops and Livestock Products, Consumed by Households\*, by Study Location

	Output share (%)				
	Study location				All
	Suba Inland	Suba Lake	Bomet		
	<i>N</i>	41	3	99	143
<u>Beans</u>	Mean	71.70	68.75	86.31	81.75
	<i>s.d.</i>	35.62	54.13	27.76	31.27
	Median	100.00	100.00	100.00	100.00
	<i>N</i>	100	83	175	358
<u>Maize</u>	Mean	88.24	99.28	86.64	90.01
	<i>s.d.</i>	19.92	6.59	25.48	21.51
	Median	100.00	100.00	100.00	100.00
	<i>N</i>	12	45	2	59
<u>Millet</u>	Mean	77.08	99.74	100.00	95.14
	<i>s.d.</i>	28.08	1.74	.00	15.38
	Median	90.00	100.00	100.00	100.00
	<i>N</i>	47	51	5	103
<u>Sorghum</u>	Mean	77.32	99.80	90.00	89.07
	<i>s.d.</i>	30.90	1.43	22.36	23.93
	Median	100.00	100.00	100.00	100.00
	<i>N</i>	17	20	32	70
<u>Cattle</u>	Mean	4.88	12.50	3.12	6.18
	<i>s.d.</i>	14.11	31.93	9.86	19.69
	Median	.00	.00	.00	.00
	<i>N</i>	42	60	53	155
<u>Chickens</u>	Mean	76.41	89.76	29.63	65.58
	<i>s.d.</i>	31.41	25.35	37.77	41.17
	Median	100.00	100.00	13.30	100.00
	<i>N</i>	19	22	27	67
<u>Goats</u>	Mean	25.54	22.94	10.49	17.51
	<i>s.d.</i>	34.62	36.62	28.17	31.81
	Median	.00	.00	.00	.00
	<i>N</i>	32	40	130	202
<u>Cow's milk</u>	Mean	92.97	86.50	67.46	75.27
	<i>s.d.</i>	19.30	26.05	32.87	31.57
	Median	100.00	100.00	70.85	100.00

Based on 'Proportion consumed' data  
Mean and median proportions apply only to households producing each output listed



**Table 25. Maize: Output share consumed by Households, by Income Quartile, by Study Location**

Study location	Per capita income quartile					All
		I	II	III	IV	
	<i>N</i>	21	27	27	25	100
<b>Suba Inland</b>	Mean	85.84	89.06	88.87	88.67	88.24
	<i>s.d.</i>	21.46	15.34	22.39	21.19	19.92
	Median	100.00	100.00	100.00	100.00	100.00
	<i>N</i>	22	20	23	18	83
<b>Suba Lake</b>	Mean	100.00	100.00	100.00	96.67	99.28
	<i>s.d.</i>	.00	.00	.00	14.14	6.59
	Median	100.00	100.00	100.00	100.00	100.00
	<i>N</i>	44	46	44	41	175
<b>Bomet</b>	Mean	84.72	93.62	84.85	82.79	86.64
	<i>s.d.</i>	26.88	17.70	26.18	29.64	25.48
	Median	100.00	100.00	100.00	100.00	100.00
	<i>N</i>	89	99	90	80	358
<b>All</b>	Mean	87.76	93.60	87.24	91.21	90.01
	<i>s.d.</i>	22.68	16.56	24.78	21.32	21.51
	Median	100.00	100.00	100.00	100.00	100.00

Based on 'Proportion consumed' data  
Mean and median proportions apply only to households producing maize

**Table 26a. Sorghum: Output share consumed by Households, by Income Quartile, by Study Location**

Study location	Per capita income quartile					All
		I	II	III	IV	
	<i>N</i>	8	12	13	14	47
<b>Suba Inland</b>	Mean	88.75	79.93	86.15	60.36	77.32
	<i>s.d.</i>	21.00	31.02	23.99	36.36	30.90
	Median	100.00	100.00	100.00	56.25	100.00
	<i>N</i>	13	9	14	15	51
<b>Suba Lake</b>	Mean	100.00	100.00	100.00	99.32	99.80
	<i>s.d.</i>	.00	.00	.00	2.63	1.43
	Median	100.00	100.00	100.00	100.00	100.00
	<i>N</i>	1	2	2		5
<b>Bomet</b>	Mean	100.00	100.00	75.00	.	90.00
	<i>s.d.</i>	.	.00	35.36	.	22.36
	Median	100.00	100.00	75.00	.	100.00
	<i>N</i>	20	25	27	31	103
<b>All</b>	Mean	93.63	87.99	88.83	87.20	89.07
	<i>s.d.</i>	15.72	25.99	23.83	27.19	23.93
	Median	100.00	100.00	100.00	100.00	100.00

Based on 'Proportion consumed' data  
Mean and median proportions apply only to households producing sorghum

Table 26b. Beans: Output share consumed by Households, by Income Quartile, by Study Location

Study location	Per capita income quartile					All
		I	II	III	IV	
	<i>N</i>	8	8	13	12	41
<b>Suba Inland</b>	Mean	90.63	72.96	64.69	65.82	71.70
	<i>s.d.</i>	26.52	32.03	41.01	36.33	35.62
	Median	100.00	83.50	100.00	72.00	100.00
	<i>N</i>	1	1		1	3
<b>Suba Lake</b>	Mean	100.00	100.00		6.25	68.75
	<i>s.d.</i>	.	.		.	54.13
	Median	100.00	100.00		6.25	100.00
	<i>N</i>	19	26	29	25	99
<b>Bomet</b>	Mean	88.59	87.17	82.89	87.67	86.31
	<i>s.d.</i>	28.36	27.13	29.41	27.33	27.76
	Median	100.00	100.00	100.00	100.00	100.00
	<i>N</i>	31	46	45	27	143
<b>All</b>	Mean	89.53	79.47	77.52	83.26	81.75
	<i>s.d.</i>	25.99	32.38	33.89	30.51	31.27
	Median	100.00	100.00	100.00	100.00	100.00

Based on 'Proportion consumed' data

Mean and median proportions apply only to households producing beans

**Table 27. Share of Own Consumption in Total Income\*, by Village and Study location**

Study location	Village	<i>N</i>	Share (%)
<b>Suba Inland</b>	Nyapuodi	35	23.9
	Makende	35	10.3
	<u>All</u>	<u>70</u>	15.5
<b>Suba Lake</b>	Gingo	35	5.2
	Nyachebe	35	10.4
	Roo	35	14.5
	<u>All</u>	<u>105</u>	8.7
<b>Bomet</b>	Kapsoiyo	35	17.3
	Kiptunoi	35	20.6
	Kiplabotwa	35	20.0
	Mengit	35	35.6
	Siwot	35	24.1
	<u>All</u>	<u>175</u>	22.1
<b>All</b>		<u>350</u>	15.1

\*Total net value of household subsistence as proportion of total net household income  
Data summed across all sample households

**Table 28. Share of Own Consumption in Total Income\*, by Income Quartile, by Study Location**

Study location	<i>N</i>	Share (%)				<b>All</b>
		Per capita income quartile				
		<b>I</b>	<b>II</b>	<b>III</b>	<b>IV</b>	
<b>Suba Inland</b>	<i>N</i>	17	18	18	17	70
		48.2	33.5	20.2	7.6	15.5
<b>Suba Lake</b>	<i>N</i>	26	26	27	26	105
		45.3	17.7	11.2	4.7	8.7
<b>Bomet</b>	<i>N</i>	44	44	44	43	175
		48.7	39.3	20.6	16.5	22.1
<b>All</b>	<i>N</i>	87	88	88	87	350
		47.0	31.3	19.2	8.8	15.1

\*Total net value of household subsistence as proportion of total net household income  
Data summed across all sample households

## Agriculture

(unless otherwise indicated, agriculture = crops and livestock)

Table 29. Share of Agriculture in Total Income, by Village and Study Location

Study Location	Village	Share (%)			Mean total net income p.a (KShs)
		Crops	Livestock	Agriculture total	
<b>Suba Inland</b>	Nyapuodi	25.7	19.3	45.0	50,289
	Makende	11.7	11.9	23.7	81,179
	<u>All</u>	<u>17.1</u>	<u>14.7</u>	<u>31.8</u>	<u>65,734</u>
<b>Suba Lake</b>	Gingo	1.3	2.3	3.6	185,440
	Nyachebe	4.0	5.3	9.4	117,693
	Roo	6.7	12.5	19.2	80,823
	<u>All</u>	<u>3.3</u>	<u>5.4</u>	<u>8.6</u>	<u>127,985</u>
<b>Bomet</b>	Kapsoiyo	32.2	30.4	62.6	123,045
	Kiptunoi	9.2	55.3	64.5	53,043
	Kiplabotwa	5.4	46.1	51.5	63,027
	Mengit	22.3	35.9	58.2	50,532
	Siwot	10.5	40.3	50.8	57,150
	<u>All</u>	<u>18.8</u>	<u>39.5</u>	<u>58.3</u>	<u>69,359</u>
<b>All</b>		<u>11.6</u>	<u>20.5</u>	<u>32.1</u>	<u>86,222</u>

Note: % data refer to total incomes summed across all sample households

Table 30. Share of Agriculture and Fishing in Total Income, by Village and Study Location

Study Location	Village	Share (%)			Mean total net income p.a (KShs)
		Agriculture	Fishing	Agriculture & Fishing Total	
<b>Suba Lake</b>	Gingo	3.6	20.2	23.8	185,440
	Nyachebe	9.4	53.1	62.5	117,693
	Roo	19.2	27.7	47.0	80,823
	All (Fish/farm)	8.6	31.9	40.5	127,985

Note: % data refer to total incomes summed across all sample households

**Table 31. Share of Agriculture in Total Income, by Income Quartile, by Study Location**

	Share (%)				
	Per capita income quartile				
	I	II	III	IV	All
<b>Suba Inland</b>	77.3	54.5	43.1	19.2	31.8
<b>Suba Lake</b>	38.2	20.6	11.9	4.2	8.6
<b>Bomet</b>	68.6	67.2	66.7	51.5	58.3
<b>All</b>	64.8	54.0	45.5	21.5	32.1
<i>Mean Quartile Income in Kshs (all sample households)</i>	12,431	42,770	72,159	218,188	86,222

Net value of crop + livestock income as proportion of net total household income

**Table 32. Net Agricultural Output per Ha., by Income Quartile, by Study Location**

Study Location	Agricultural output (KShs/ha.)				
	Per capita income quartile				
	I	II	III	IV	All
<b>Suba Inland</b>	7,170	11,552	10,166	11,082	10,221
<b>Suba Lake</b>	5,933	9,283	8,288	11,868	8,858
<b>Bomet</b>	6,657	19,055	26,556	42,780	26,085
<b>All</b>	7,087	14,885	18,755	26,103	17,776

(Total net crop income + total net livestock income)/Total area farmed in ha  
Data summed across all sample households

**Table 33. Mean Number of On-Farm Activities, by Income Quartile and Study Location**

Study Location	On-Farm Activities					
	Per capita income quartile					All
	I	II	III	IV		
	<i>N</i>	17	18	18	17	70
Suba Inland	Mean	3.00	3.39	4.44	4.41	3.81
	<i>s.d.</i>	1.97	1.29	2.06	2.67	2.10
	Median	3.00	3.50	4.00	3.00	3.00
	<i>N</i>	26	26	27	26	105
Suba Lake	Mean	2.85	2.73	3.15	2.88	2.90
	<i>s.d.</i>	1.08	1.34	.86	1.56	1.23
	Median	3.00	3.00	3.00	3.00	3.00
	<i>N</i>	44	44	44	43	175
Bomet	Mean	2.23	3.05	3.50	3.63	3.10
	<i>s.d.</i>	1.29	1.36	1.66	1.81	1.63
	Median	2.00	3.00	3.00	3.00	3.00
	<i>N</i>	87	88	88	87	350
All	Mean	2.53	3.30	3.44	3.46	3.18
	<i>s.d.</i>	1.38	1.46	1.77	1.83	1.66
	Median	2.00	3.00	3.00	3.00	3.00

On-farm activities = (No.of different types of crop grown + No. of different types of livestock kept)

**Table 34. Count Distribution of Farm Activities\*, by Study Location**

No. of farm activities	Study Location						All	
	Suba Inland		Suba Lake		Bomet		Count	%
	Count	%	Count	%	Count	%		
None	1	1.4	4	3.8	4	2.3	9	2.6
1-2	17	24.3	34	32.4	64	36.6	115	32.9
3	18	25.7	35	33.3	48	27.4	101	28.9
4	14	20.0	25	23.8	32	18.3	71	20.3
5	10	14.3	5	4.8	10	5.7	25	7.1
6	3	4.3	1	1.0	10	5.7	14	4.0
7	2	2.9	1	1.0	5	2.9	8	2.3
More than 7	5	7.1			2	1.1	7	2.0
<b>Total</b>	<b>70</b>	<b>100.0</b>	<b>105</b>	<b>100.0</b>	<b>175</b>	<b>100.0</b>	<b>350</b>	<b>100.0</b>

Data are counts and percentages of sample households

\*No. of farm activities = (No.of different types of crop grown + No. of different types of livestock kept)

## Non-Farm Activities

Table 35. Stated Main Occupations of Resident Household Members, by Study Location

Occupation	Study Location						All	
	Suba Inland		Suba Lake		Bomet		Count	%
	Count	%	Count	%	Count	%		
House/farm	51	30.5	70	26.3	157	39.7	278	33.6
Farmer	90	53.9	60	22.6	183	46.3	333	40.2
Fisherman	1	.6	52	19.5			53	6.4
Govt./parastatal	10	6.0	11	4.1	20	5.1	41	5.0
Private sector	3	1.8	11	4.1	13	3.3	27	3.3
Self-employment	12	7.2	62	23.3	22	5.6	96	11.6
<b>Total</b>	<b>167</b>	<b>100.0</b>	<b>266</b>	<b>100.0</b>	<b>395</b>	<b>100.0</b>	<b>828</b>	<b>100.0</b>

Data are counts & percentages of resident household members, excluding children & schoolchildren

Table 36. Stated Main Occupations of Resident Household Members, by Village

### Study Location Suba Inland

	Village				All	
	Nyapuodi		Makende		Count	%
	Count	%	Count	%		
House/farm	27	32.1	24	28.9	51	30.5
Farmer	48	57.1	42	50.6	90	53.9
Fisherman	1	1.2			1	.6
Govt./parastatal	4	4.8	6	7.2	10	6.0
Private sector	1	1.2	2	2.4	3	1.8
Self-employment	3	3.6	9	10.8	12	7.2
<b>Total</b>	<b>84</b>	<b>100.0</b>	<b>83</b>	<b>100.0</b>	<b>167</b>	<b>100.0</b>

Data are counts & percentages of resident household members, excluding children & schoolchildren

### Study Location Suba Lake

	Village						All	
	Gingo		Nyachebe		Roo		Count	%
	Count	%	Count	%	Count	%		
House/farm	25	28.1	28	26.9	17	23.3	70	26.3
Farmer	18	20.2	16	15.4	26	35.6	60	22.6
Fisherman	17	19.1	28	26.9	7	9.6	52	19.5
Govt./parastatal	1	1.1	3	2.9	7	9.6	11	4.1
Private sector	1	1.1	9	8.7	1	1.4	11	4.1
Self-employment	27	30.3	20	19.2	15	20.5	62	23.3
<b>Total</b>	<b>89</b>	<b>100.0</b>	<b>104</b>	<b>100.0</b>	<b>73</b>	<b>100.0</b>	<b>266</b>	<b>100.0</b>

Data are counts & percentages of resident household members, excluding children & schoolchildren

Study Location Bomet

	Village										All	
	Kapsoiyo		Kiptunoi		Kiplabotwa		Mengit		Siwot		Count	%
	%	Count	%	Count	%	Count	%	Count	%			
House/farm	51.0	17	26.6	28	35.0	28	38.4	33	42.3	157	39.7	
Farmer	34.0	36	56.3	35	43.8	39	53.4	39	50.0	183	46.3	
Fisherman												
Govt./parastatal	6.0	3	4.7	6	7.5	4	5.5	1	1.3	20	5.1	
Private sector	7.0	2	3.1	2	2.5			2	2.6	13	3.3	
Self-employment	2.0	6	9.4	9	11.3	2	2.7	3	3.8	22	5.6	
<b>Total</b>	<b>100.0</b>	<b>64</b>	<b>100.0</b>	<b>80</b>	<b>100.0</b>	<b>73</b>	<b>100.0</b>	<b>78</b>	<b>100.0</b>	<b>395</b>	<b>100.0</b>	

Data are counts & percentages of resident household members, excluding children & schoolchildren

Table 37. Household Participation in Different Livelihood Activities, by Study Location

Total no. of activities*	Study Location			All
	Suba Inland	Suba Lake	Bomet	%
	%	%	%	
0**	1.4		.6	.6
1	8.6	4.8	6.3	6.3
2	34.3	17.1	40.6	32.3
3	41.4	39.0	39.4	39.7
4	14.3	30.5	9.7	16.9
5		7.6	1.7	3.1
6		1.0	1.7	1.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* On basis of: crop growing, livestock keeping, fishing = 1 each; non-farm and other NR activities = 1 for each separate activity

Data are percentages of sample households

\*\*Some HHs relied entirely upon payments-in-kind

Table 38. Household Participation in Non-Farm Activities, by Study Location

Total no. of activities*	Study Location			All
	Suba Inland	Suba Lake	Bomet	%
	%	%	%	
0	32.9	28.6	41.7	36.0
1	50.0	45.7	42.9	45.1
2	17.1	21.9	12.0	16.0
3		2.9	1.7	1.7
4		1.0	1.7	1.1
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

\* On basis of 1 for each non-farm or other NR activity

Data are percentages of sample households



**Table 39. Proportion of Households Engaging in Non-farm Activities, by Study Location**

Non-Farm Activity	Study Location						All	
	Suba Inland		Suba Lake		Bomet		Count	%
	Count	%	Count	%	Count	%		
Payment-in-kind	1	1.4	1	1.0	9	5.1	11	3.1
Seasonal wages	2	2.9	3	2.9	28	16.0	33	9.4
Regular wages	1	1.4	3	2.9	15	8.6	19	5.4
Salary-private sector	4	5.7	4	3.8	2	1.1	10	2.9
Salary-government	11	15.7	9	8.6	14	8.0	34	9.7
Business	16	22.9	31	29.5	37	21.1	84	24.0
Other non-farm			3	2.9	8	4.6	11	3.1
Beer-making/selling	1	1.4	1	1.0	6	3.4	8	2.3
Charcoal	4	5.7	8	7.6	1	.6	13	3.7
Firewood			1	1.0	4	2.3	5	1.4
Fish processing	3	4.3	24	22.9			27	7.7
Handicrafts	8	11.4	5	4.8	5	2.9	18	5.1
Other NR	2	2.9	8	7.6	3	1.7	13	3.7
None	23	32.9	31	29.5	73	41.7	127	36.3

Data are study location level counts and percentages of sample households  
 Totals are > than sample size because some households have more than one non-farm activity

Table 40. Non-Farm Activities Specified and Total Counts Across Households

Activity	
Bread distibution	1
Carpentry	1
Composing and selling songs	2
Digging	1
Hiring and using water mill	2
Matatu driver	1
Picking/weeding tea	4
Radio repair	1
Renting out property	4
Selling firewood	1
Selling poridge	1
Selling shares (tea)	1
Senior cook	1
Shoe repairing	1
Shop keeping	7
Thatching	3
Tractor driver	1
Tractor renting	1
Trading in cattle	2
Trading in chang'aa	1
Trading in clothes	1
Trading in clothes	1
Trading in crops	1
Trading in crops	1
Trading in crops	2
Trading in crops	14
Trading in eggs and second hand clothes	1
Trading in hens	1
Trading in milk	1
Weeding	1
Wholesale worker	1
Brickmaking	1
Food preparation for sale	3
Omena fish business	1
Pottery	1
Shelling bhang (canabis saliva)	1
Stone blasting	1
Timber trees	1
Tobacco shelling	1
Tradional dishes	1
Tradional herbs	1
Traditional yeast	1

## Income Portfolios and Per Capita Incomes

Table 41. Income Portfolios by Village and Study Location

### Study location: Suba Inland

Income Source	Village		All
	Nyapuodi	Makende	%
	%	%	
Maize	15.1	4.1	8.3
Sorghum	4.9	5.7	5.4
Other crop	5.8	2.0	3.4
Milk	7.1	2.5	4.2
Other livestock	12.2	9.5	10.5
Wages	35.6	33.5	34.3
Self-employment	16.2	39.4	30.5
Transfers	3.2	3.4	3.3
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

### Study location: Suba Lake

Income Source	Village			All
	Gingo	Nyachebe	Roo	%
	%	%	%	
Maize	.1	1.3	2.1	.9
Sorghum	.4	.9	1.3	.8
Other crop	.8	1.8	3.3	1.6
Milk	1.0	2.5	4.1	2.1
Other livestock	1.3	2.8	8.4	3.2
Wages	4.1	8.4	27.3	10.3
Self-employment	71.5	26.4	22.8	47.5
Transfers	.6	2.7	2.9	1.7
Fish	20.2	53.1	27.7	31.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Study location: Bomet**

<u>Income Source</u>	Village					All
	<u>Kapsoiyo</u>	<u>Kiptunoi</u>	<u>Kiplabotwa</u>	<u>Mengit</u>	<u>Siwot</u>	%
	%	%	%	%	%	
Maize	4.8	4.5	2.8	8.3	5.1	4.9
Sorghum	.	.	.	.	.3	
Other crop	27.5	4.6	2.6	14.0	5.2	13.8
Milk	25.7	39.9	35.4	29.5	29.5	30.8
Other livestock	4.6	15.4	10.6	6.4	10.9	8.6
Wages	26.3	19.4	17.5	27.9	10.0	21.2
Self-employment	7.2	9.4	20.5	8.1	24.2	12.9
Transfers	3.9	6.7	10.5	5.8	14.9	7.6
<u>Total</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>

Data are percentages of total incomes, summed across all sample households

Wages = All wages & salaries

Self-employment = All business and other NR income

Transfers = Pensions, remittances, income from renting out land and value of physical transfers

Table 42. Income Portfolios by Income Quartile, by Study Location and Total

**Study location: Suba Inland**

Income Source	Per capita income quartile				All
	I	II	III	IV	%
	%	%	%	%	
Maize	35.2	18.4	9.4	3.8	8.3
Sorghum	9.1	7.2	3.3	5.7	5.4
Other crop	11.8	9.3	3.6	1.6	3.4
Milk	3.8	5.5	9.5	1.7	4.2
Other livestock	17.5	14.0	17.3	6.4	10.5
Wages	1.0	21.2	29.8	41.3	34.3
Self-employment	11.3	21.3	17.7	39.4	30.5
Transfers	10.4	2.9	9.4	.2	3.3
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**Study location: Suba Lake**

Income Source	Per capita income quartile				All
	I	II	III	IV	%
	%	%	%	%	
Maize	7.4	.7	1.6	.4	.9
Sorghum	4.8	1.6	1.3	.2	.8
Other crop	11.3	4.8	1.4	.7	1.6
Milk	3.6	3.9	3.0	1.5	2.1
Other livestock	11.1	9.6	4.5	1.4	3.2
Wages	.	21.1	18.9	6.3	10.3
Self-employment	19.1	33.8	34.5	55.2	47.5
Transfers	5.2	3.8	3.2	.8	1.7
Fish	37.6	20.8	31.4	33.5	31.9
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of total incomes, summed across all sample households

Wages = All wages & salaries

Self-employment = All business and other NR income

Transfers = Pensions, remittances, income from renting out land and value of physical transfers

**Study location: Bomet**

Income Source	Per capita income quartile				All
	I	II	III	IV	%
	%	%	%	%	
Maize	19.8	7.5	5.3	3.0	4.9
Sorghum	.1	.1	.1	.	.0
Other crop	4.2	7.0	15.9	15.3	13.8
Milk	34.5	42.0	33.4	26.6	30.8
Other livestock	10.0	10.5	11.9	6.6	8.6
Wages	14.2	5.3	15.0	28.6	21.2
Self-employment	4.6	17.6	9.3	13.9	12.9
Transfers	12.6	10.0	9.0	6.0	7.6
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

**All**

Income Source	Per capita income quartile				All
	I	II	III	IV	%
	%	%	%	%	
Maize	21.4	6.8	4.9	1.6	3.7
Sorghum	4.3	1.8	1.0	.9	1.2
Other crop	6.5	6.9	9.1	6.1	6.8
Milk	20.2	24.0	21.1	9.3	14.0
Other livestock	12.4	14.6	9.4	3.6	6.5
Wages	10.5	7.1	21.6	19.9	18.3
Self-employment	9.5	23.5	16.7	38.5	31.0
Transfers	11.5	6.9	7.3	2.4	4.3
Fish	3.8	8.5	8.9	17.7	14.2
<b>Total</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>

Data are percentages of total incomes, summed across all sample households

Wages = All wages & salaries

Self-employment = All business and other NR income

Transfers = Pensions, remittances, income from renting out land and value of physical transfers

Table 43. Household Mean Income and Per Capita Income, by Study Location

	Study Location			All	
	Suba Inland	Suba Lake	Bomet		
	N	70	105	175	350
Total HH Income	Mean	65,734	127,985	69,359	86,222
	s.d	93,991	236,687	73,278	147,882
	Median	35,578	59,674	47,795	49,010
Per capita Income	Mean	16,778	34,776	17,180	22,378
	s.d	18,179	61,969	16,370	37,542
	Median	11,694	16,857	12,856	13,804

Table 44. Household Mean Per Capita Income, by Income Quartile, by Study Location

Study Location	Per capita income					All
	Per capita income quartile					
	I	II	III	IV		
	N	17	18	18	17	70
Suba Inland	Mean	2,660	7,498	16,381	41,144	16,778
	s.d	1,666	1,905	3,386	21,605	18,179
	Median	2,292	7,046	16,727	35,209	11,694
	N	26	26	27	26	105
Suba Lake	Mean	5,009	13,356	25,600	95,491	34,776
	s.d	3,121	2,120	5,931	102,960	61,969
	Median	5,529	13,419	24,707	62,590	16,857
	N	44	44	44	43	175
Bomet	Mean	3,074	8,699	17,299	40,169	17,180
	s.d	1,189	2,359	2,781	16,441	16,370
	Median	2,891	8,476	17,288	32,140	12,856
	N	87	88	88	87	350
All	Mean	3,301	9,819	18,913	57,665	22,378
	s.d	1,798	2,447	3,482	62,421	37,542
	Median	3,242	9,512	18,155	40,465	13,804

Table 45. Household Mean Income and Per Capita Income, by Study Location (US\$)

	Study Location				All
	Suba Inland	Suba Lake	Bomet		
	N	70	105	175	350
Total HH Income (US\$)	Mean	832.80	1621.48	878.73	1092.37
	s.d	1190.80	2998.66	928.38	1873.56
	Median	450.75	756.03	605.53	620.92
Per capita income (US\$)	Mean	212.57	440.59	217.65	283.52
	s.d	230.32	785.10	207.40	475.63
	Median	148.15	213.57	162.87	174.89

Table 46. Household Mean Per Capita Income, by Income Quartile, by Study Location (US\$)

Study Location	Per capita income (US\$)					All
	Per capita income quartile				N	
	I	II	III	IV		
	N	17	18	18	17	70
Suba Inland	Mean	33.70	94.99	207.53	521.26	212.57
	s.d	21.11	24.13	42.89	273.72	230.32
	Median	29.0	89.3	211.9	446.1	148.1
	N	26	26	27	26	105
Suba Lake	Mean	63.46	169.22	324.34	1209.80	440.59
	s.d	39.55	26.86	75.14	1304.43	785.10
	Median	70.0	170.0	313.0	793.0	213.6
	N	44	44	44	43	175
Bomet	Mean	38.95	110.21	219.17	508.91	217.65
	s.d	15.06	29.89	35.24	208.30	207.40
	Median	36.6	107.4	219.0	407.2	162.9
	N	87	88	88	87	350
All	Mean	41.82	124.39	239.61	730.58	283.52
	s.d	22.78	31.00	44.12	790.83	475.63
	Median	41.1	120.5	230.0	512.7	174.9



**Annex A: Map**

**Kenya, showing Suba District**

