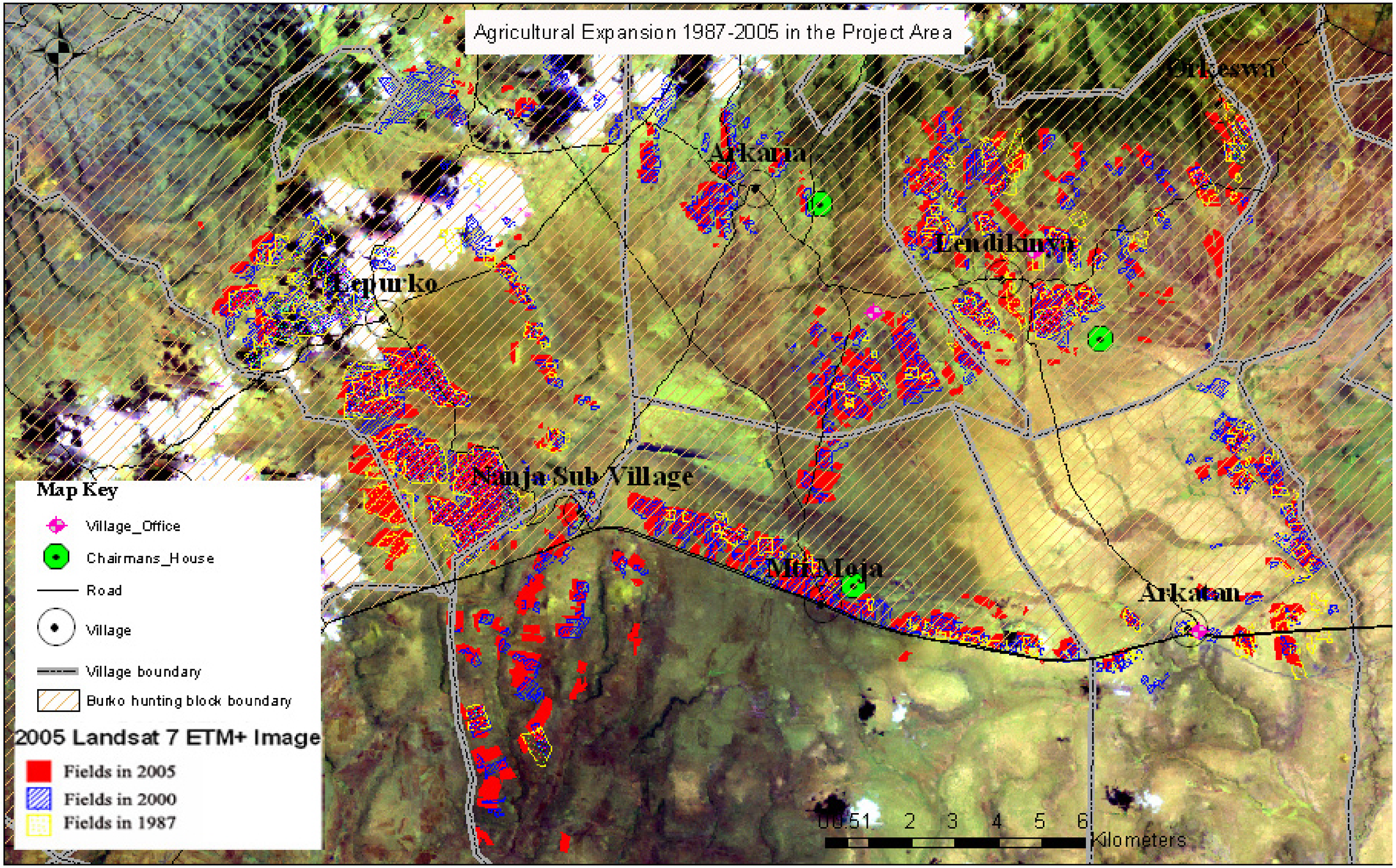

Figure 4.1 A map to show agricultural expansion within the project area during the period 1987-2005.
The field layers are the output of the ROI ENVI methodology and were imported into the ARC VIEW GIS of the project area.

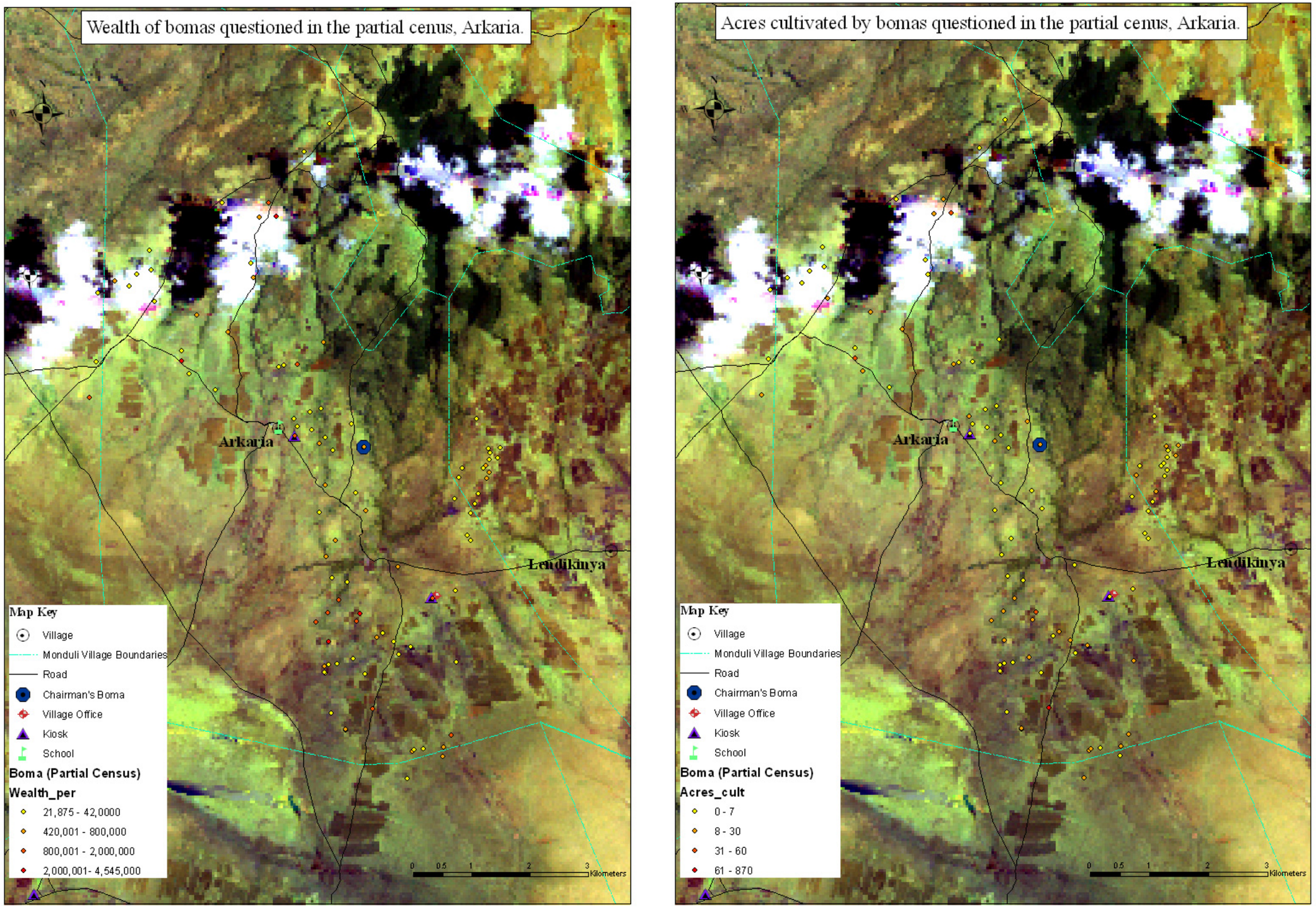

Figure 4.4 Comparison between the distribution of wealth and the distribution of acreage in Arkaria (data from the partial census)

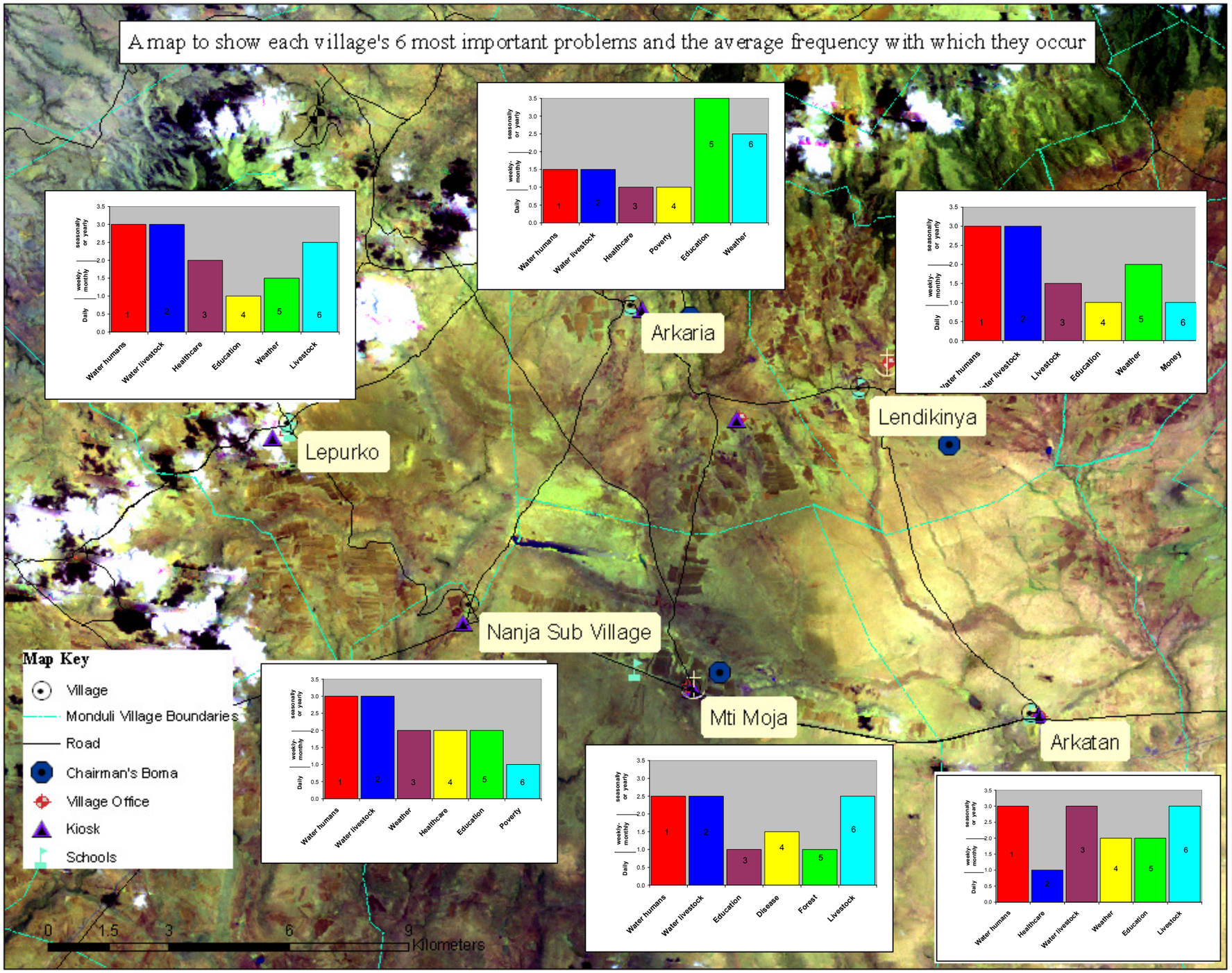

Figure 4.18. A map to show each village's top 6 problems (in rank order -1 being most important, 6 being least important) as well as the average frequency with which the village inhabitants say they occur.

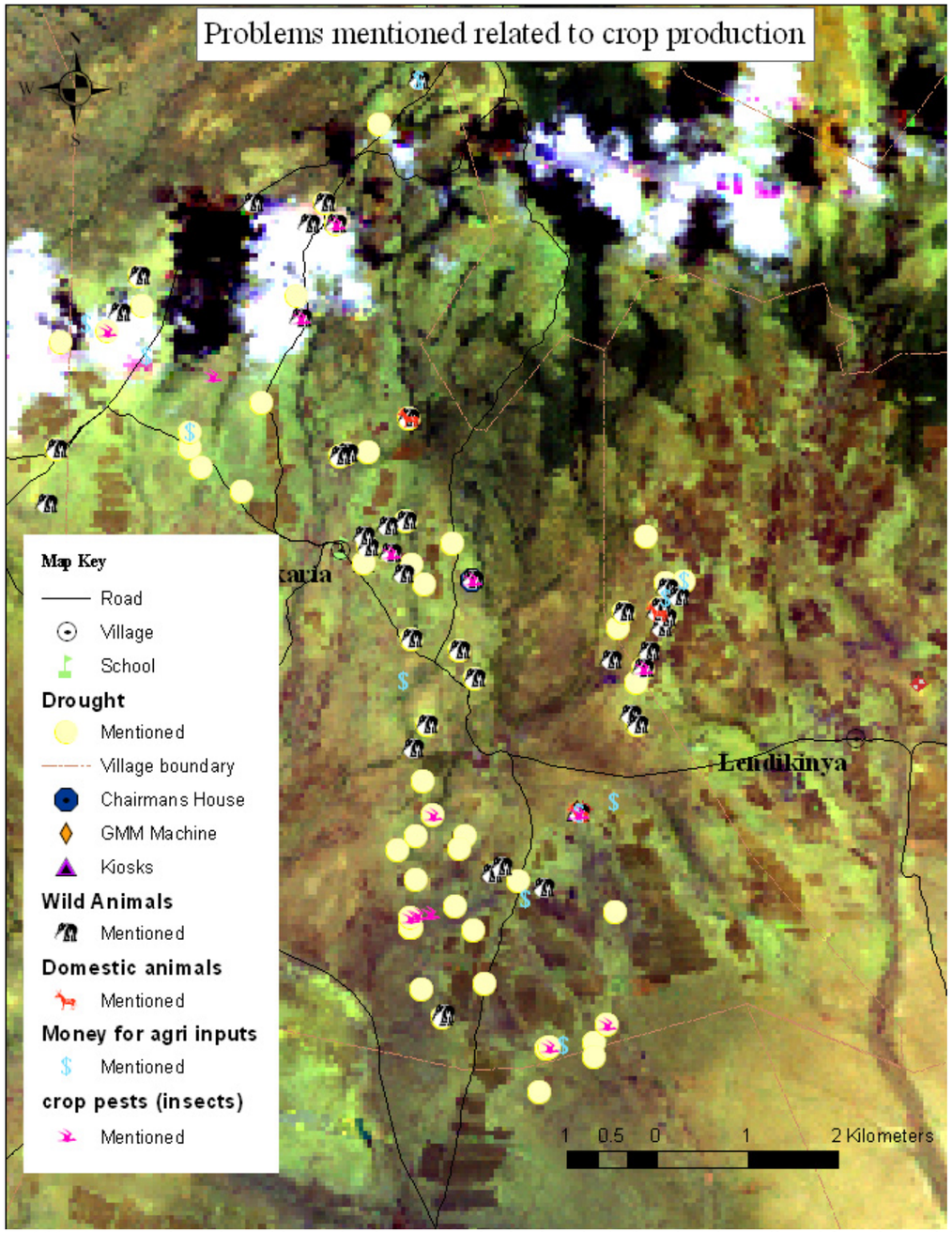

Figure4.20 A map to show the problems related to crop production in Arkaria (based on data collected from the partial census)

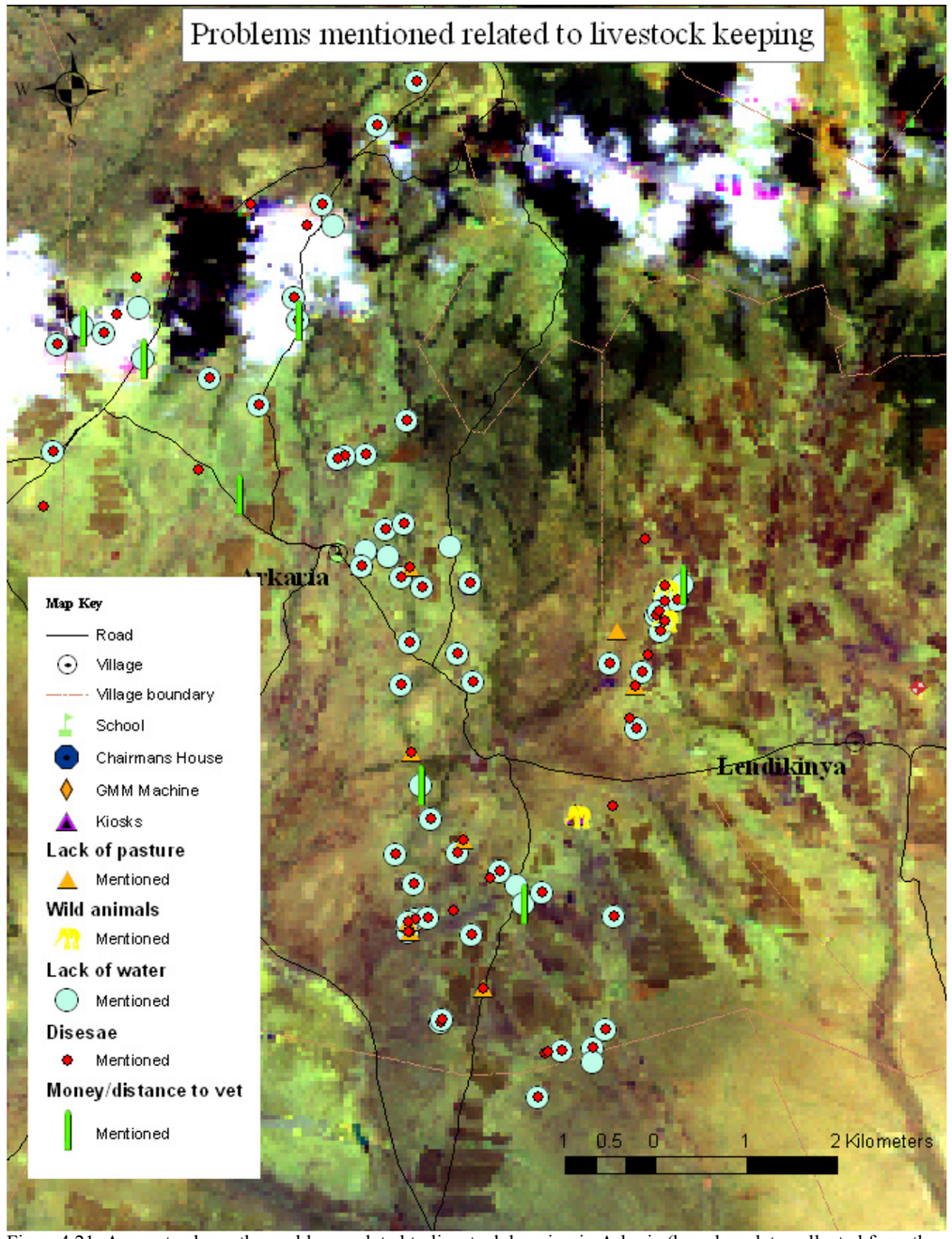

Figure4.21 A map to show the problems related to livestock keeping in Arkaria (based on data collected from the partial census)

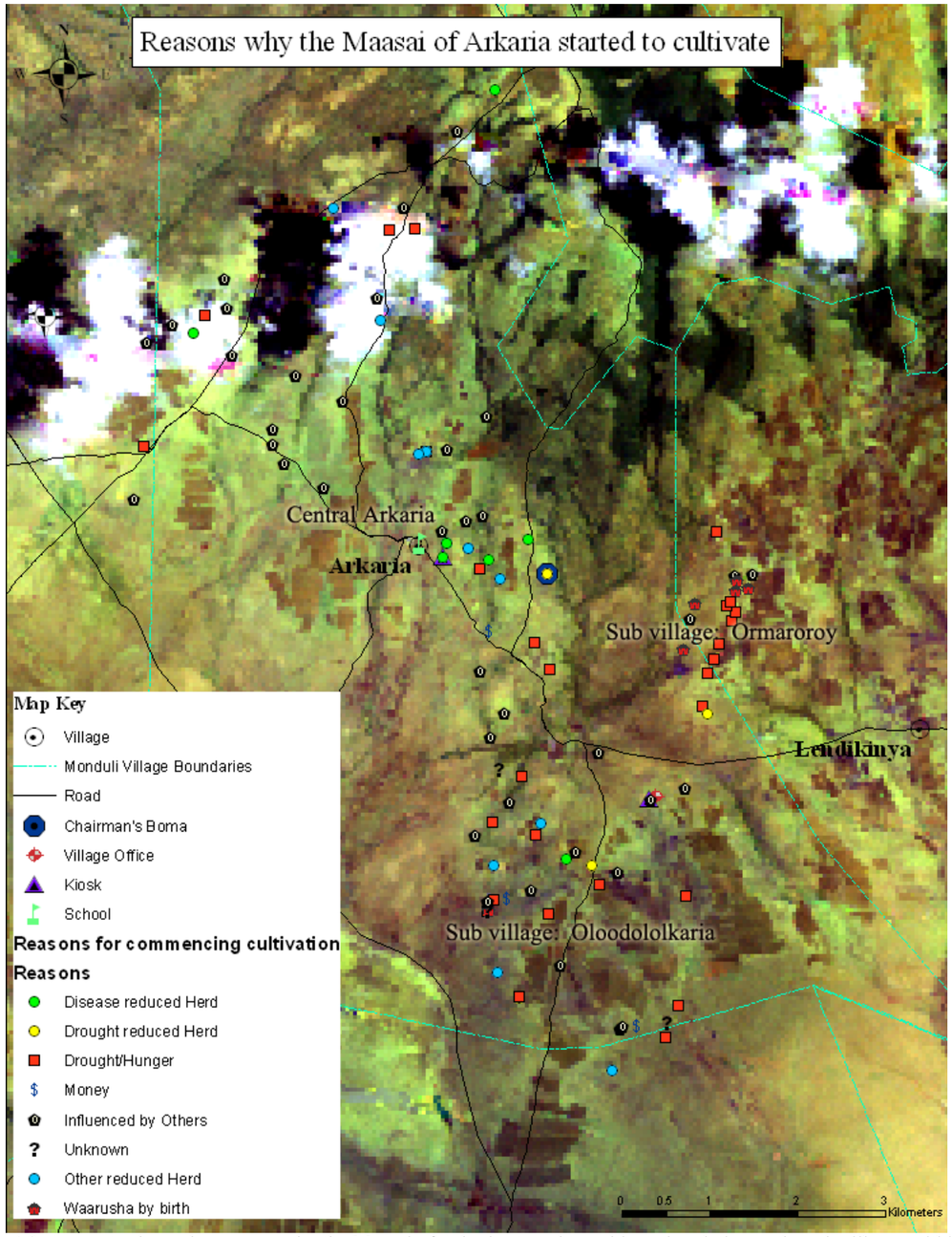

Figure 4.8 A map to show the reasons why the Maasai of Arkaria started to cultivate in relation to the sub villages within Arkaria.

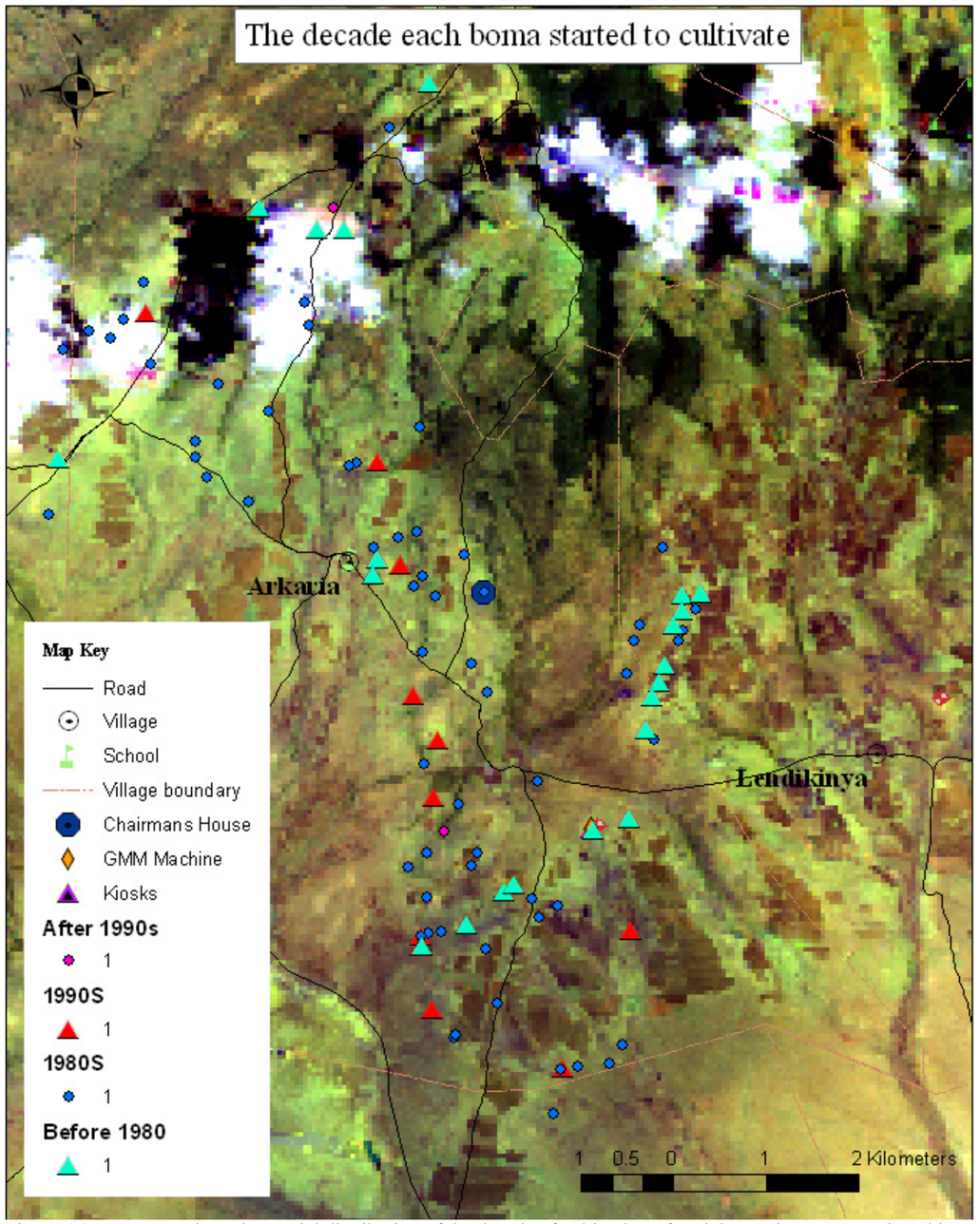

Figure 4.9. A map to show the spatial distribution of the decade of cultivation of each boma that was questioned in the partial census in Arkaria.

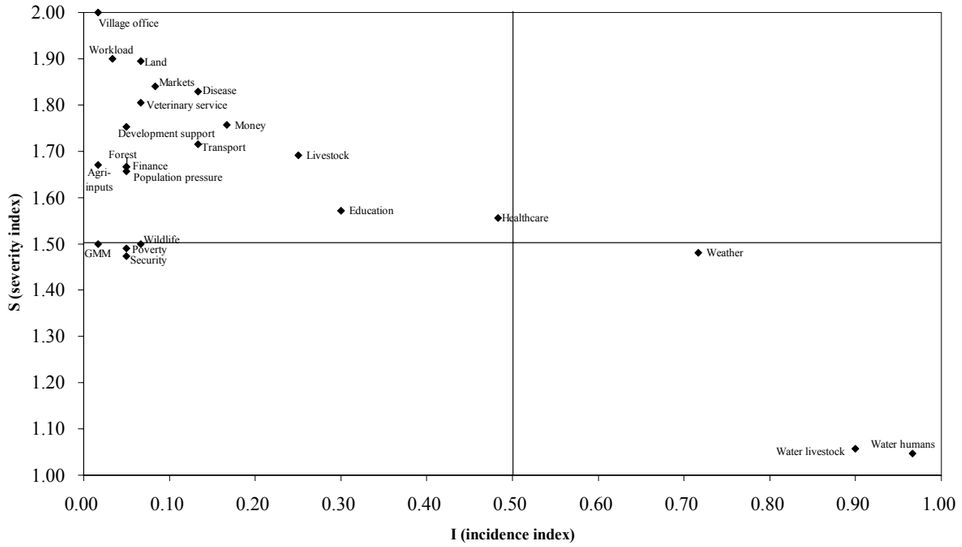

Figure 4.12 Problem map overview based on the averaged individuals' data.

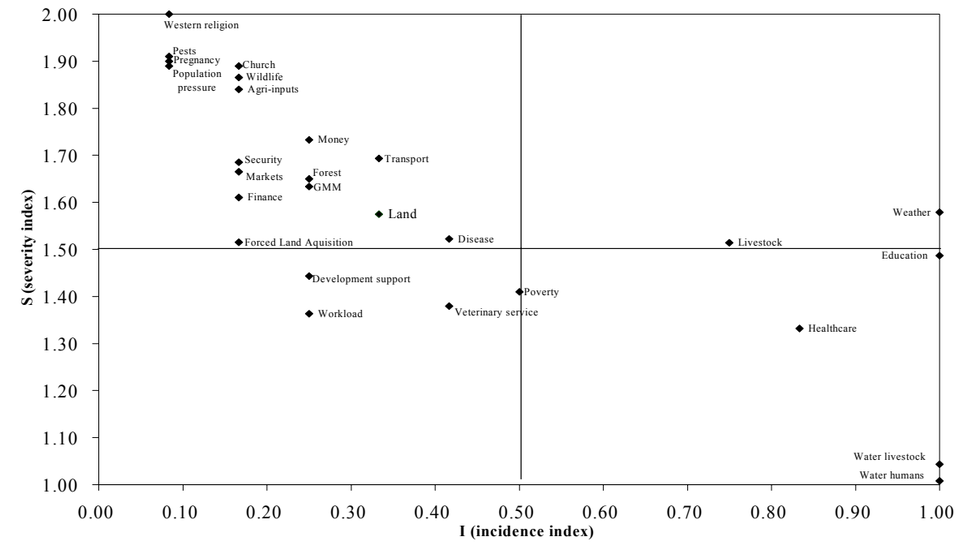

Figure 4.13 Problem map overview based on the averaged groups' data.

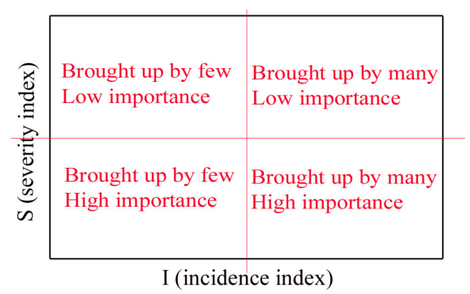

Figure 4.16 Quarters indicating relative importance and risk

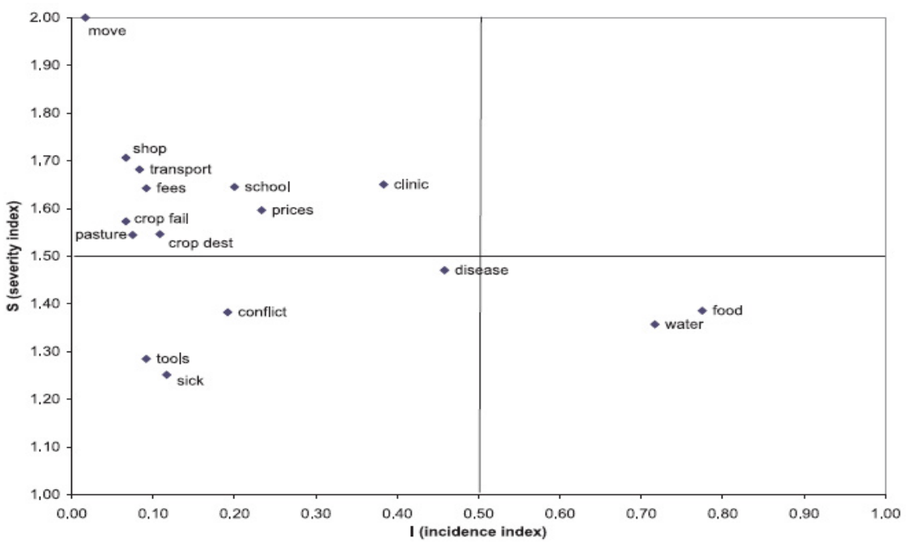

Figure 4.14 Risk map overview (Source: Smith et al., 2000 p1951)

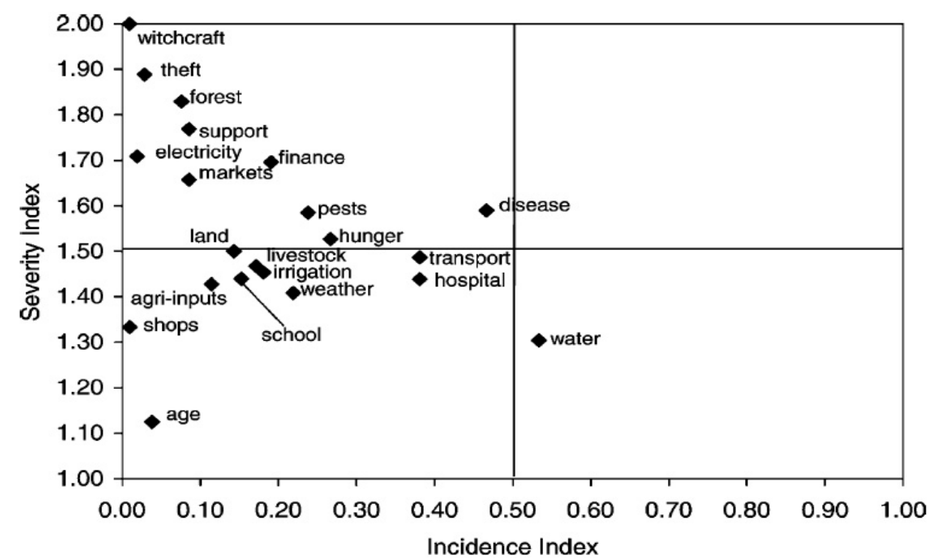

Figure 4.15 Risk map overview (source: Quinn *et al.* 2003 p115)