Land-Use Impacts on Large Wildlife and Livestock in the Swamps of the Greater Amboseli Ecosystem, Kajiado District, Kenya

Part 2: Figures

Land Use Change, Impacts and Dynamics Project
Working Paper 27

By

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Figure 1. Conceptual model of a bi-directional land-use gradient

Figure 2. Study Area and counting zones in the Amboseli swamps, August 2002

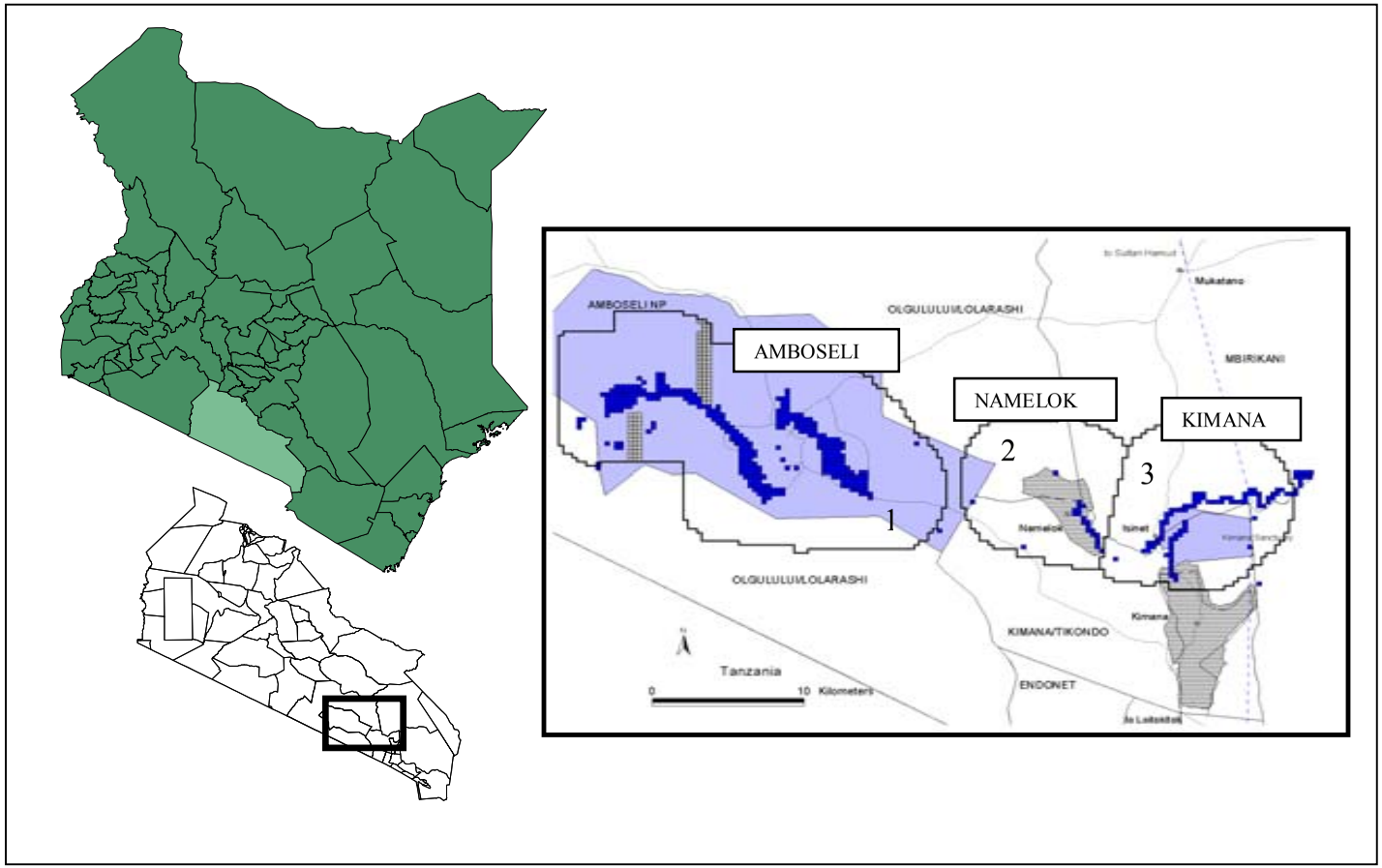


Figure 3 Flight transects and sub-block configuration for high resolution aerial counts of the Amboseli swamps, August 2002

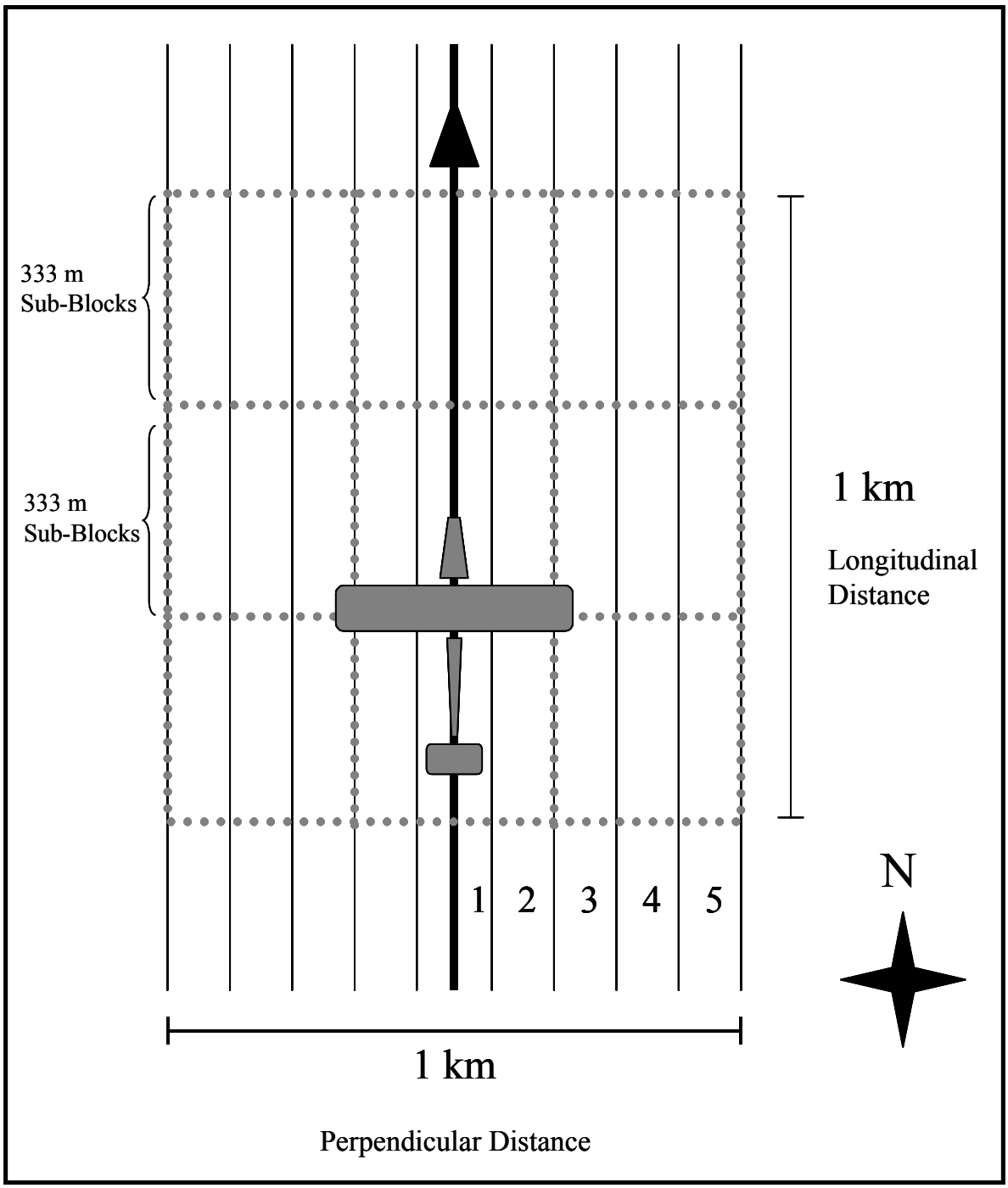


Figure 4a, b. Human impact and species distribution maps

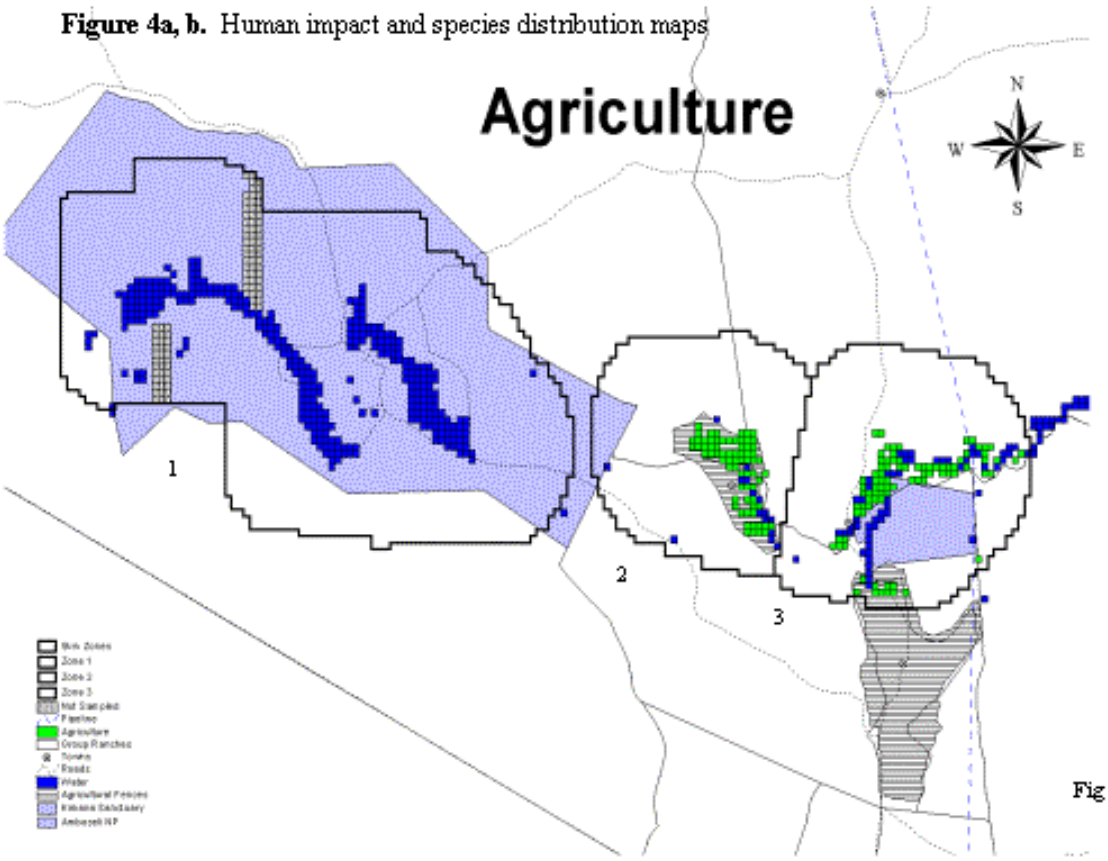


Fig 4a

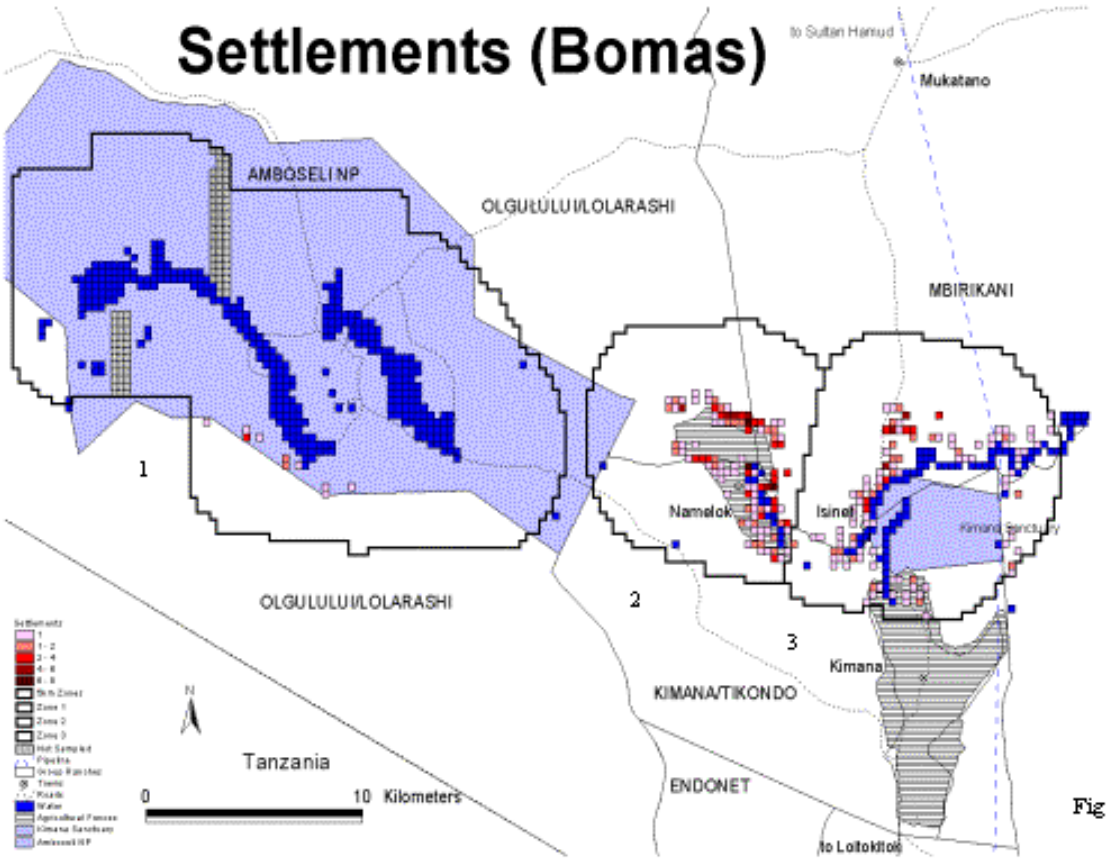
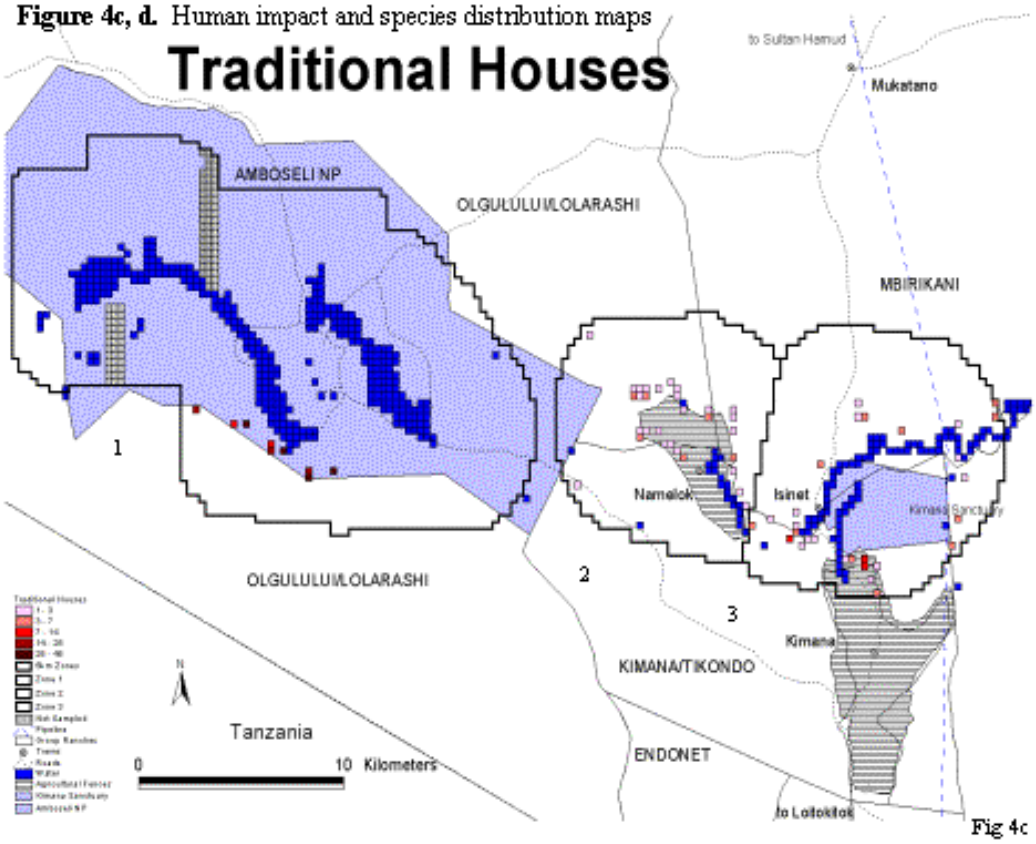


Fig 4b

Figure 4c, d. Human impact and species distribution maps



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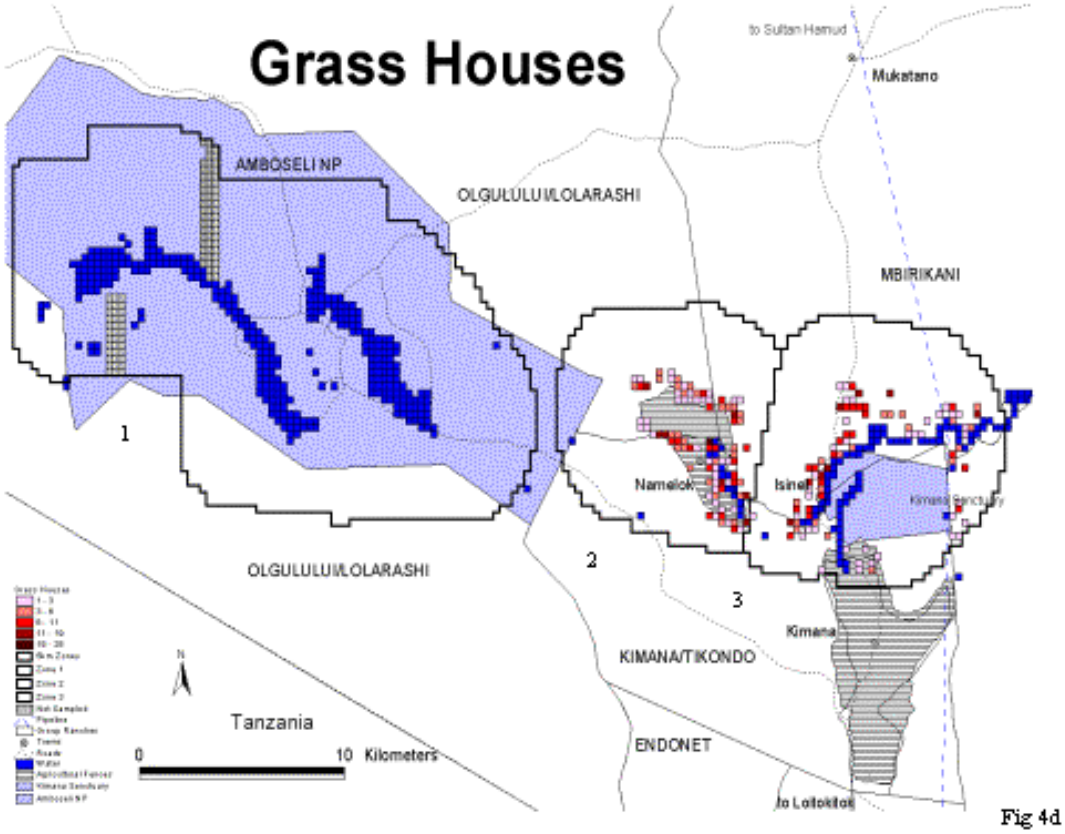
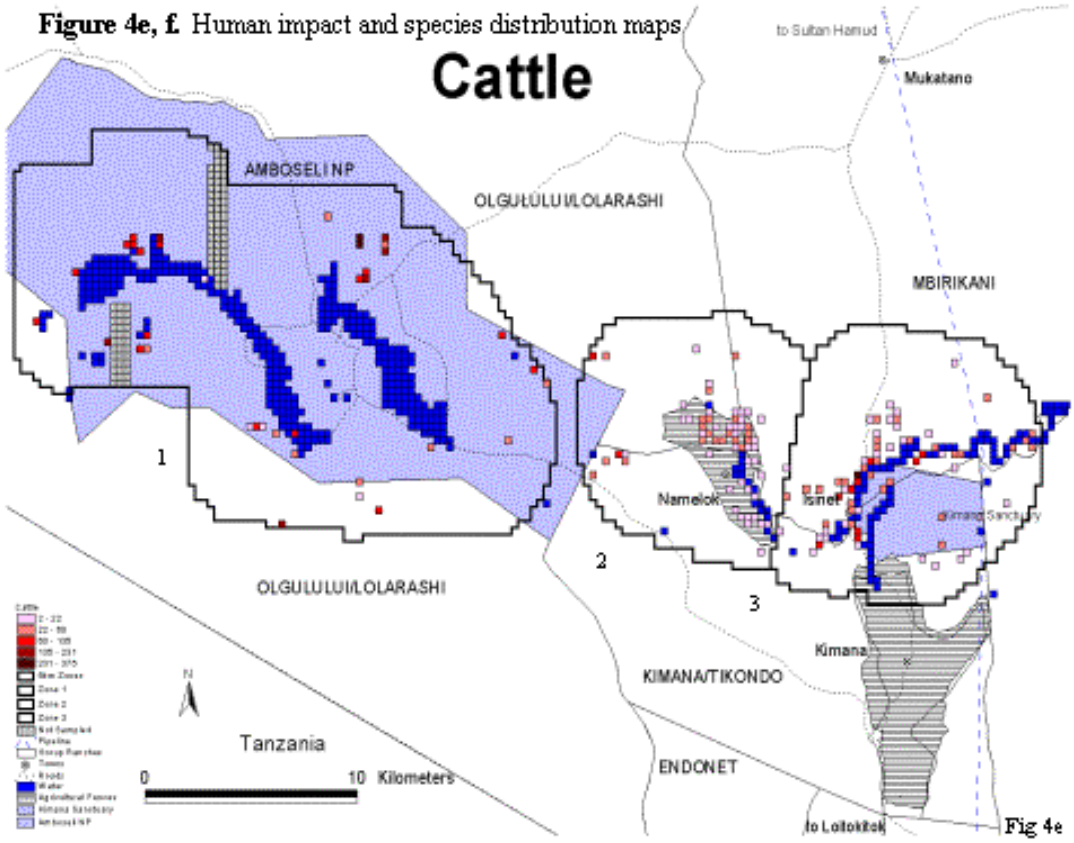


Fig 4d

Figure 4e, f. Human impact and species distribution maps



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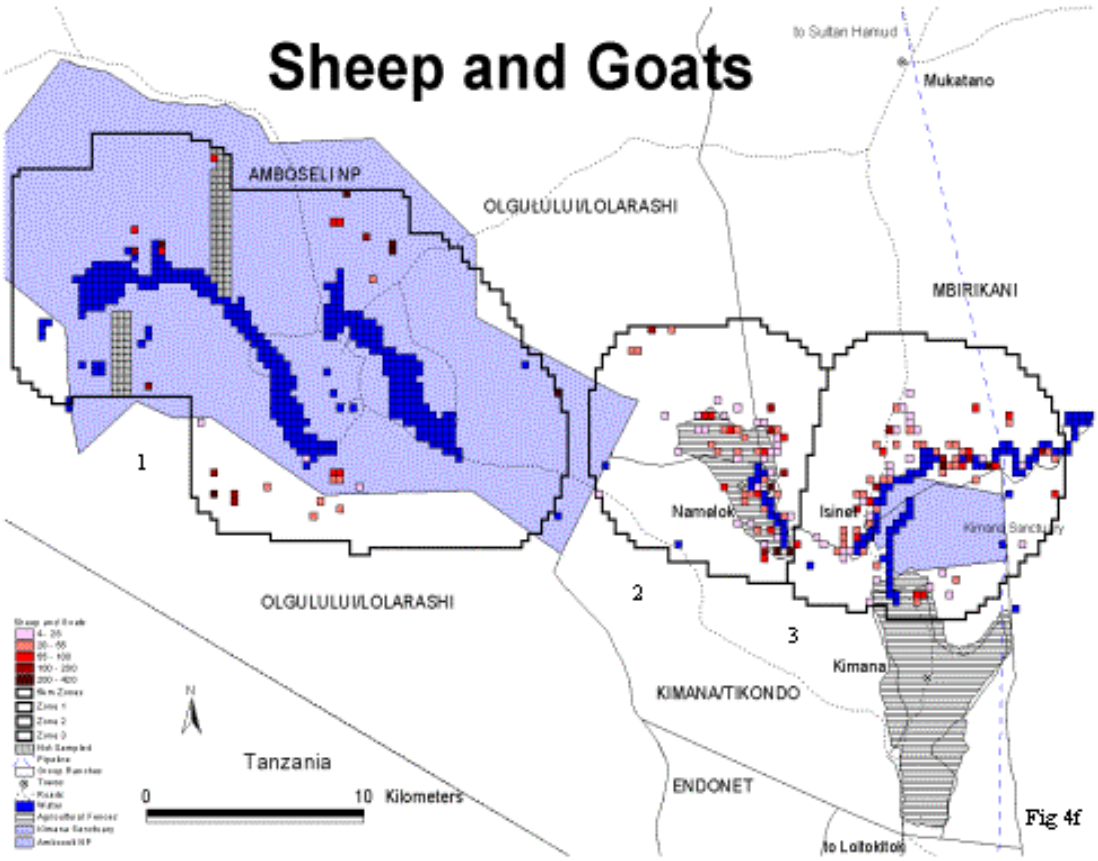


Fig 4f

Figure 4g, h. Human impact and species distribution maps

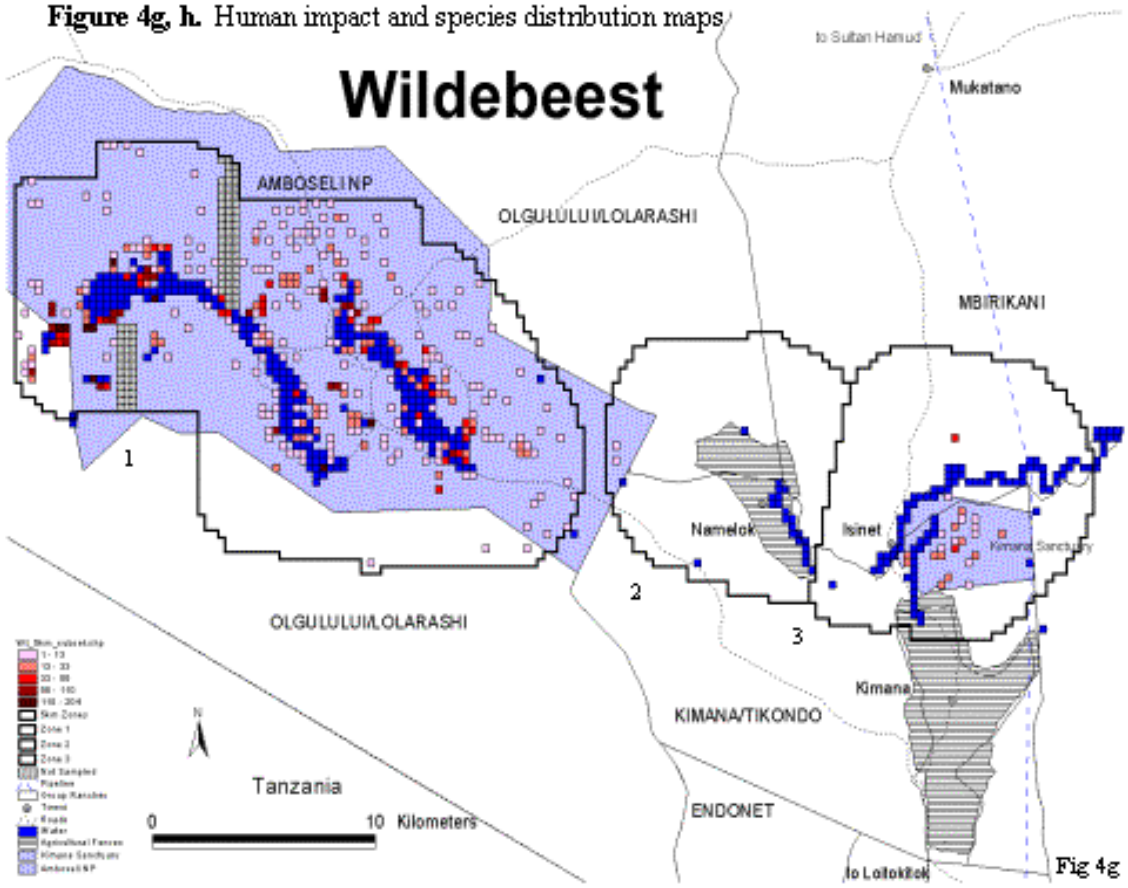


Fig 4g

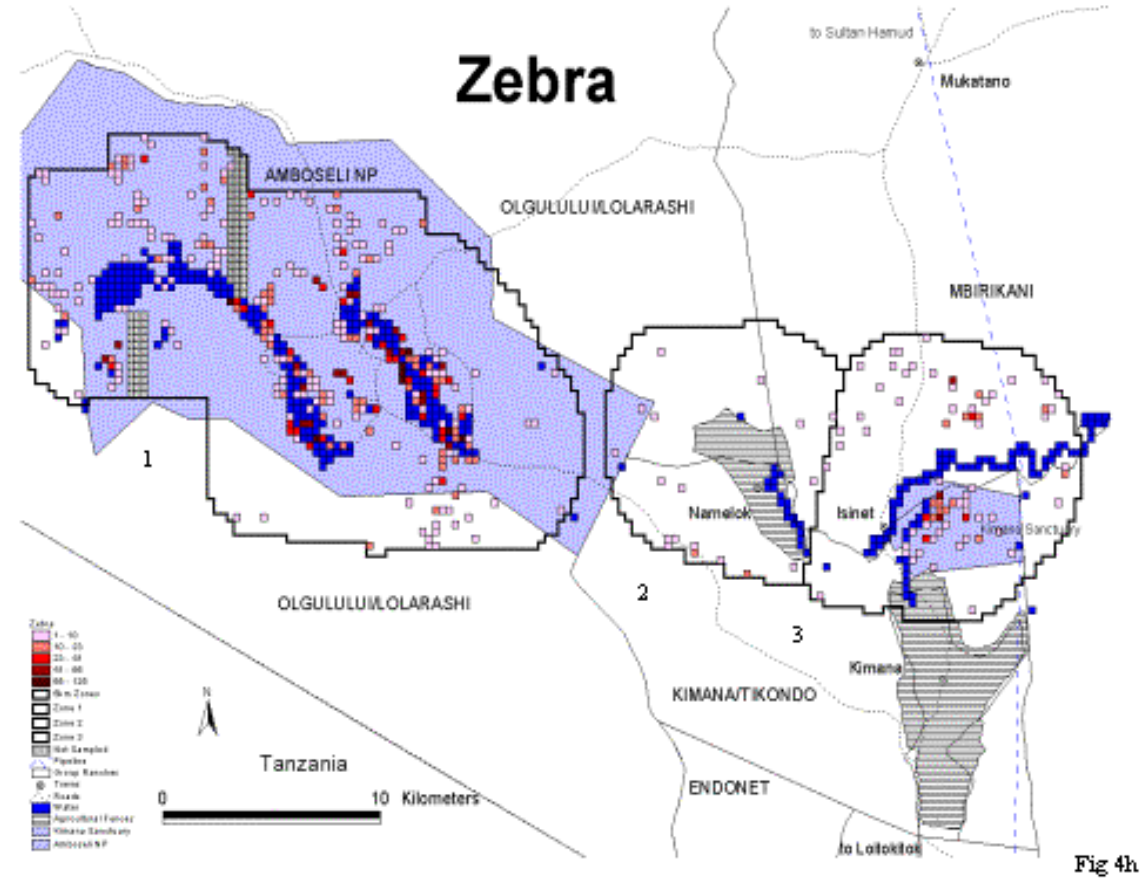


Fig 4h

Figure 4i, j. Human impact and species distribution maps

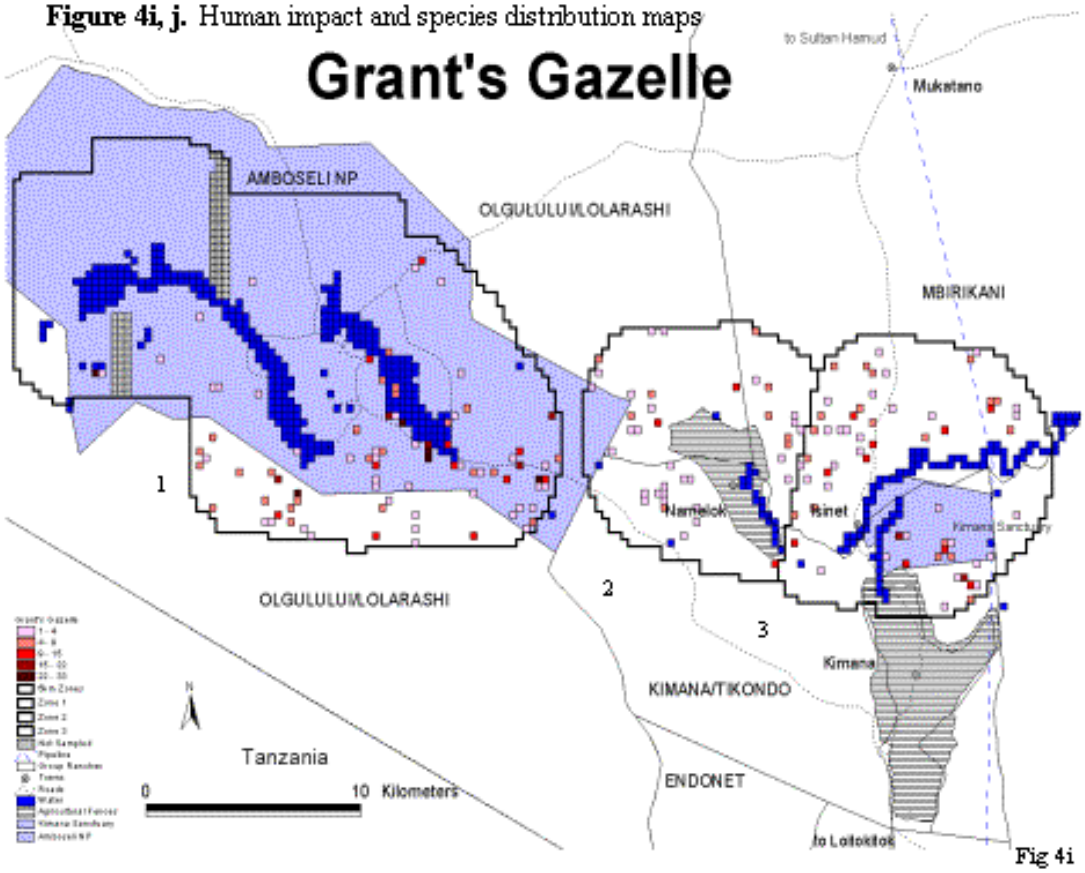


Fig 4i

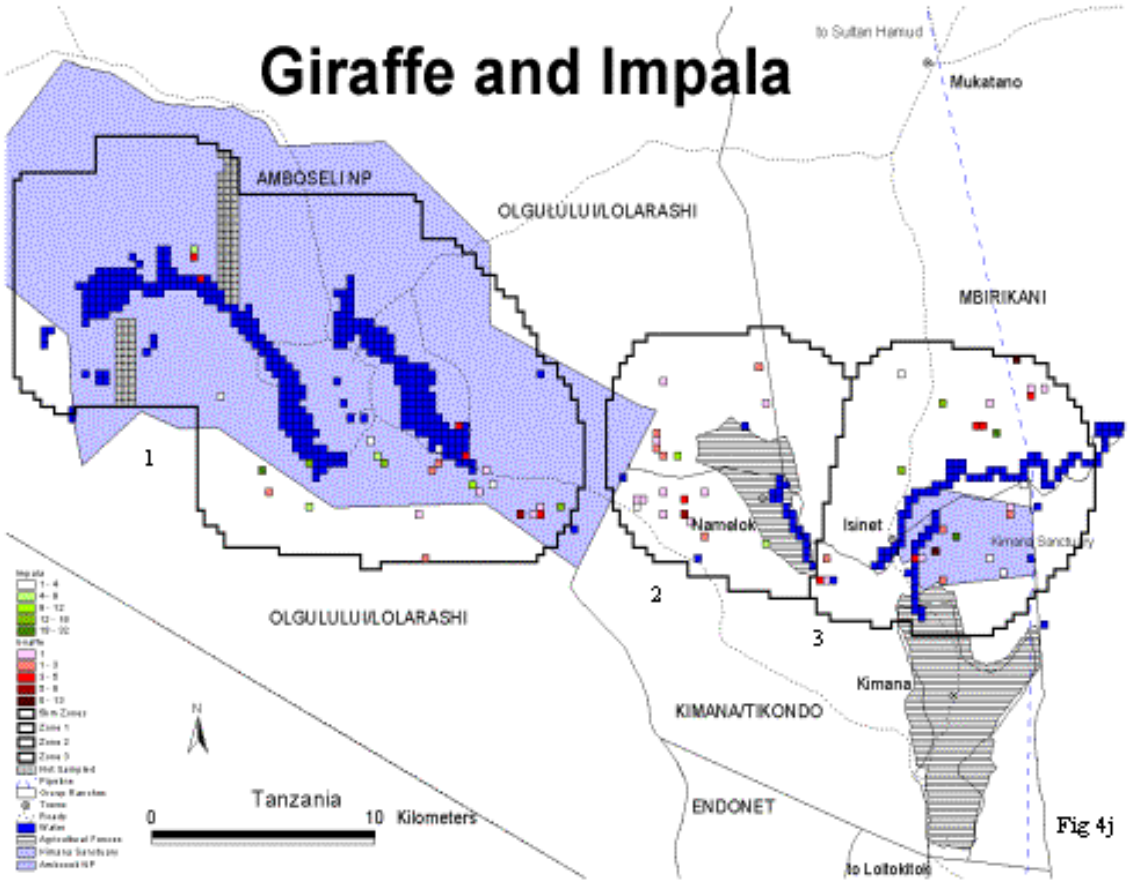


Fig 4j

Figure 4k, l. Human impact and species distribution maps

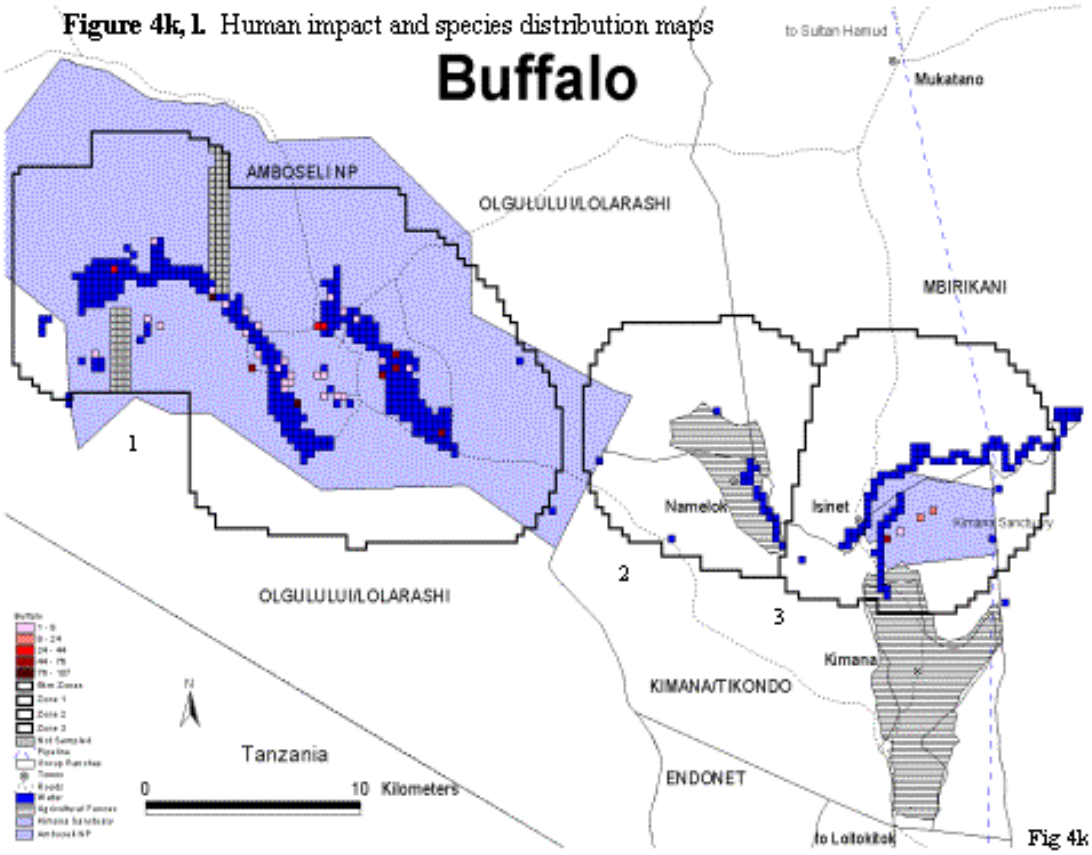


Fig 4k

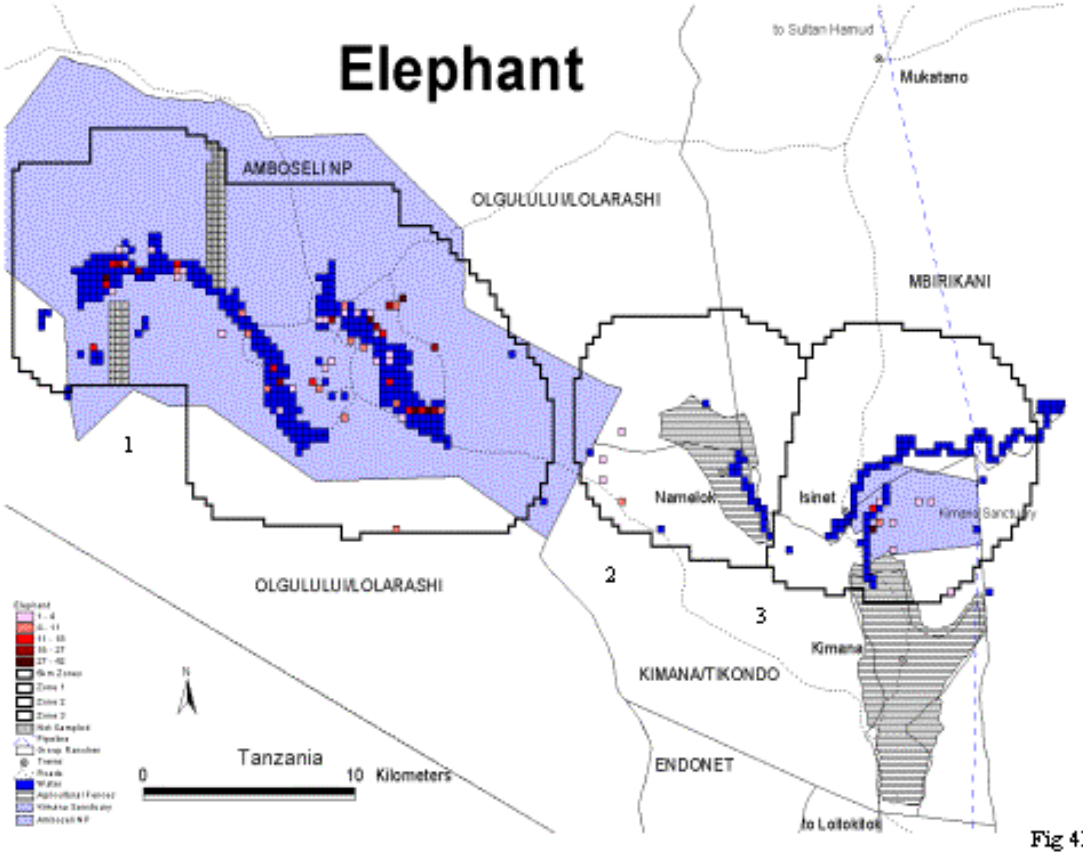


Fig 41

Figure 5. Ratio of different house types in each counting zone

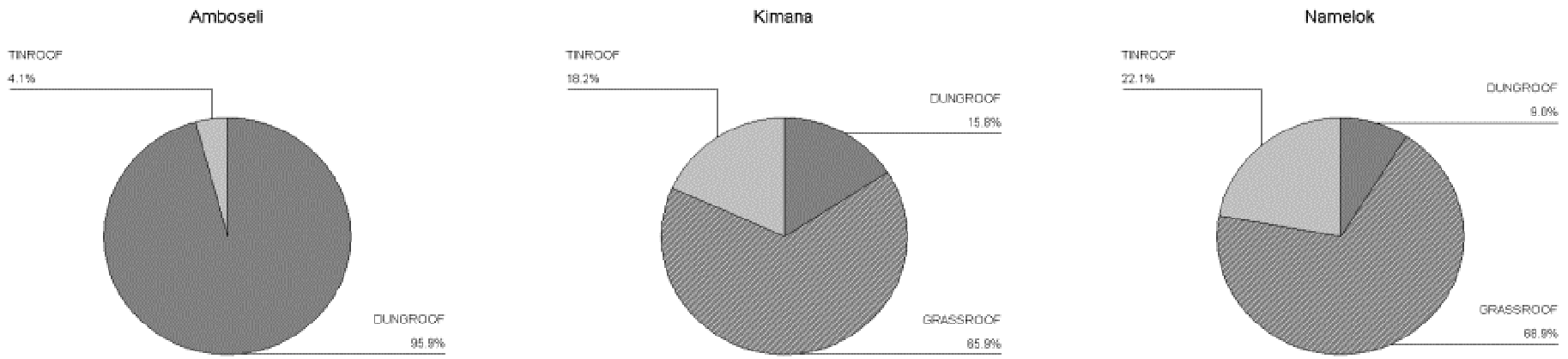


Figure 6. Mean wild species richness per sub-block by zone

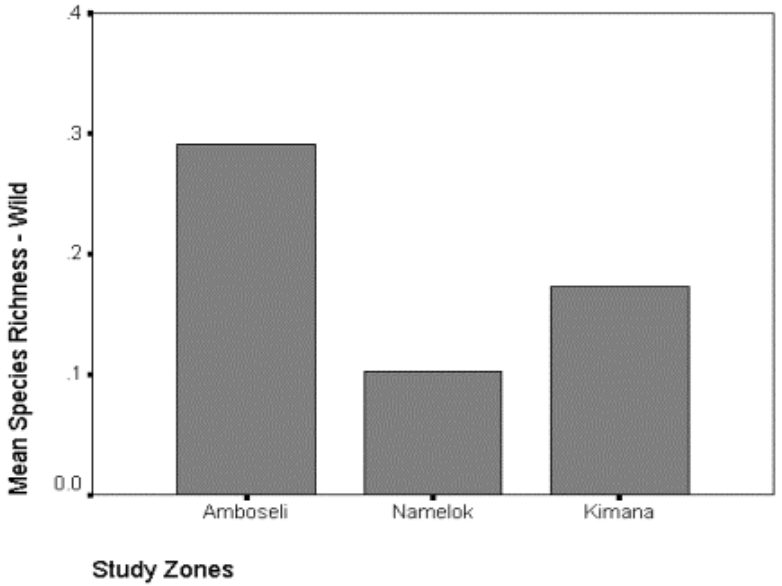


Figure 7. Mean biomass density of grazers and mixed feeders by zone

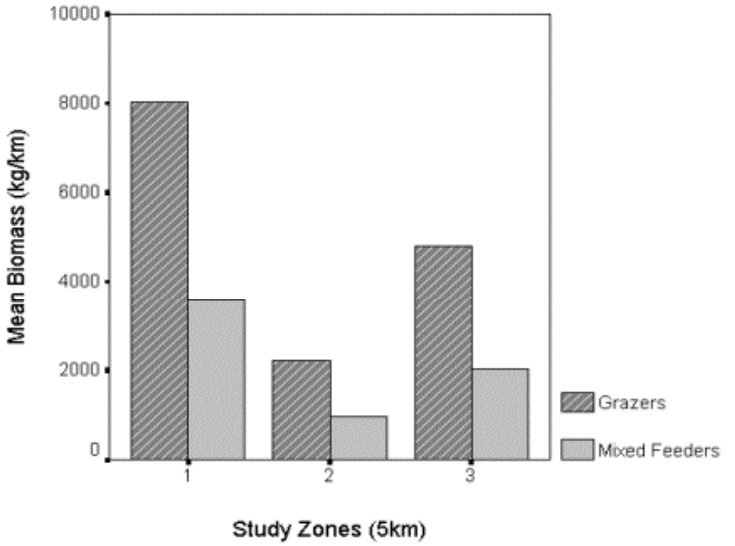


Figure 8a. Distribution of wildlife species in relation to water in the Amboseli swamps

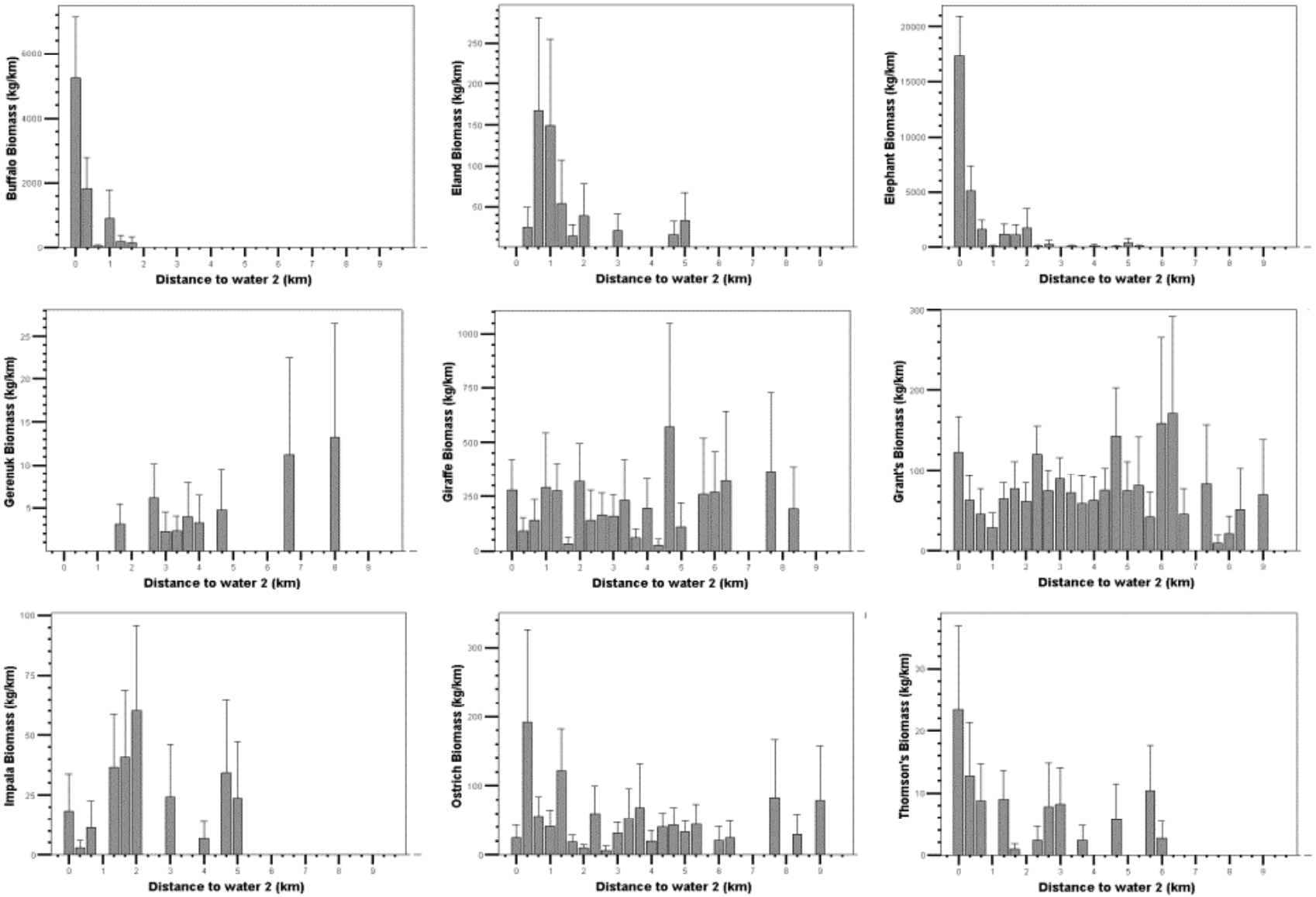


Figure 8a (cont.). Distribution of wildlife species in relation to water in the Amboseli swamps

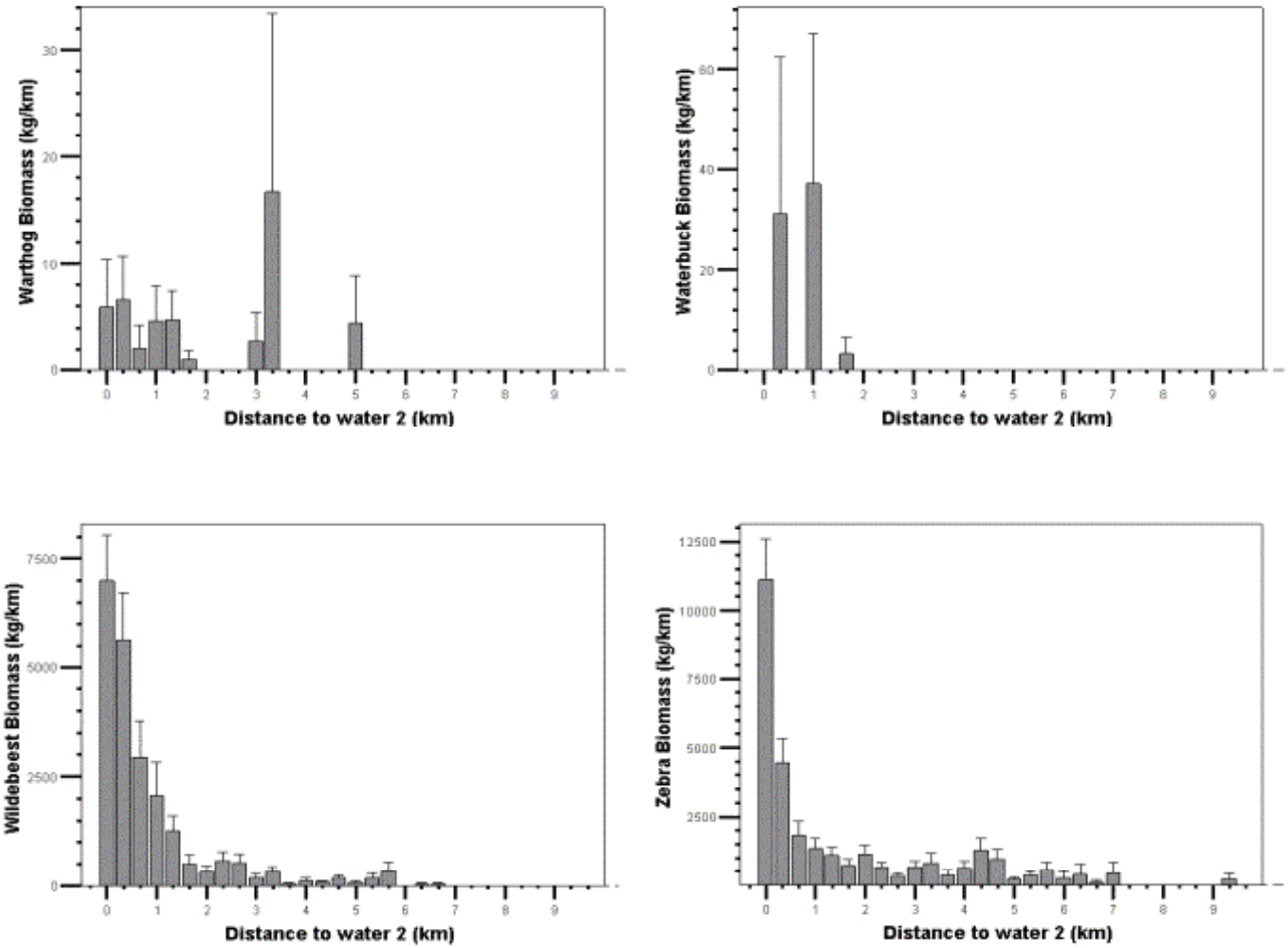


Figure 8b. Distribution of livestock species in relation to water in the Amboseli swamps

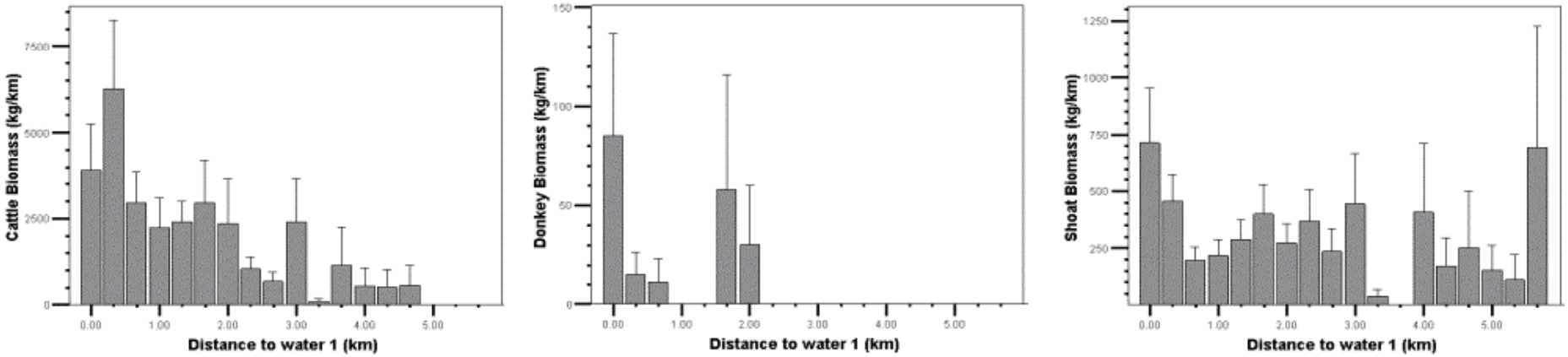
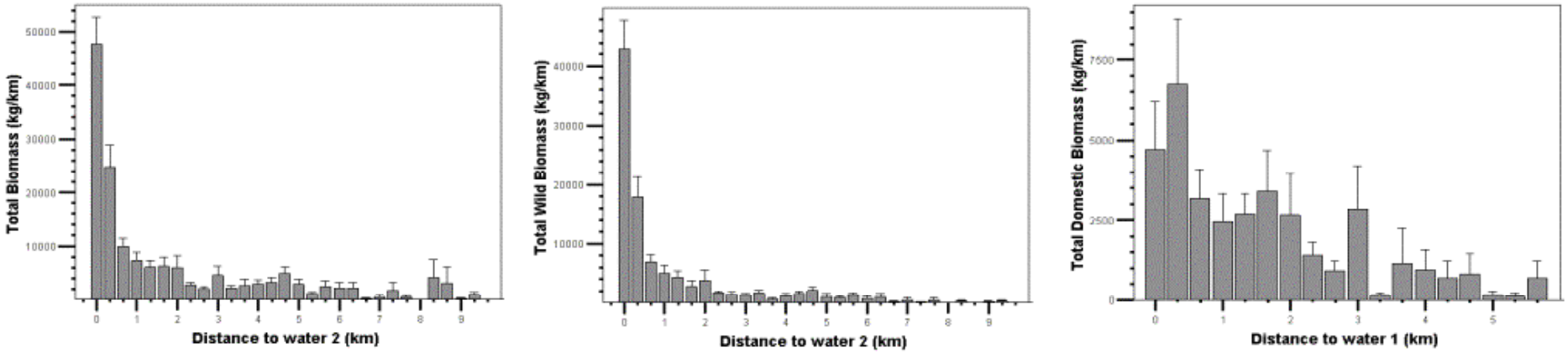


Figure 9. Biomass density distribution in relation to water in the Amboseli swamps



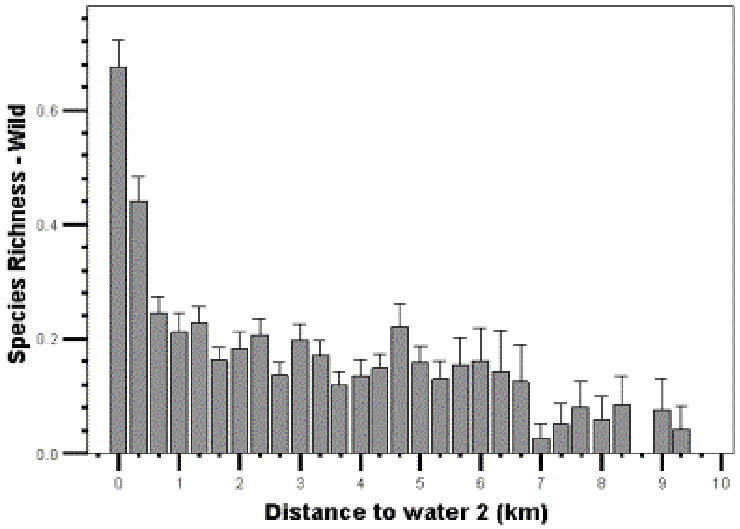


Figure 10. Distribution of species richness per sub-block in relation to water in Amboseli, August 2002

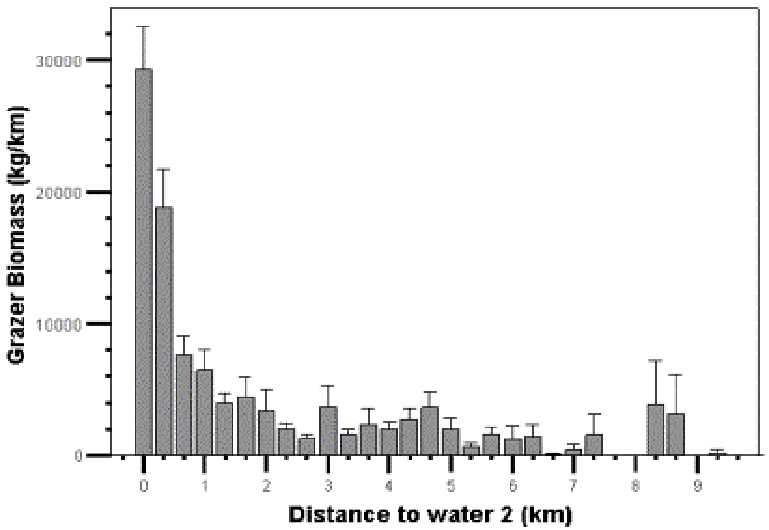


Figure 11a. Distribution of grazer biomass in relation to water in Amboseli, August 2002

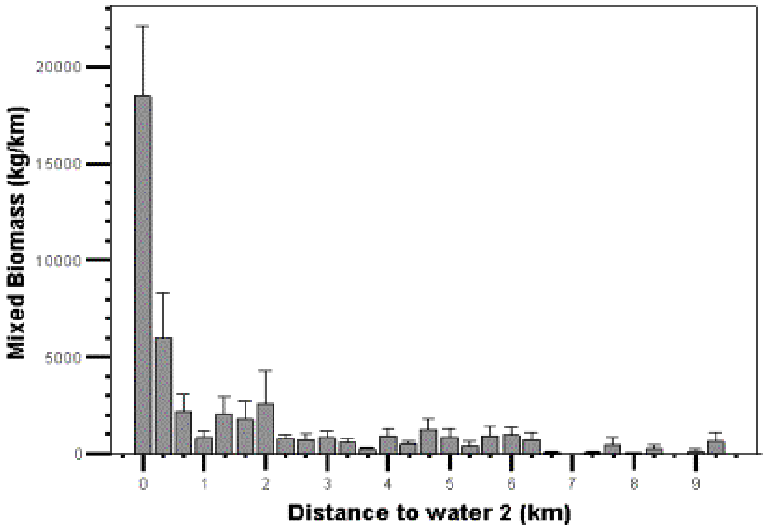


Figure 11b. Distribution of grazer biomass in relation to water in Amboseli, August 2002

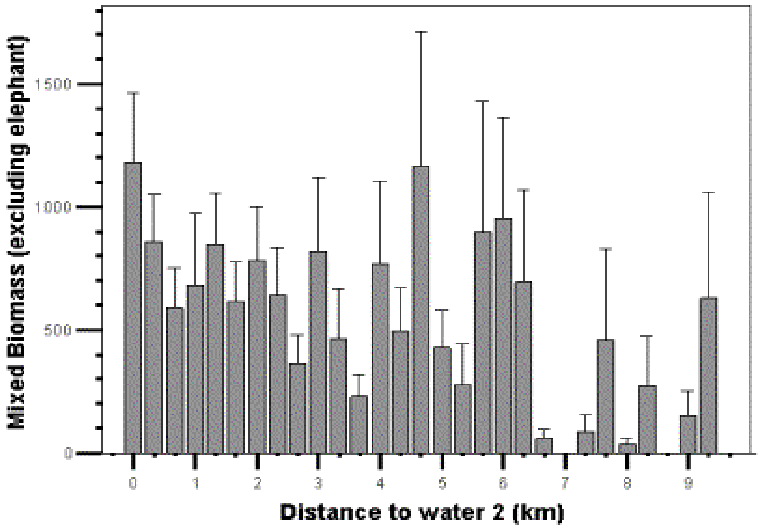


Figure 11c. Distribution of grazer biomass in relation to water in Amboseli, August 2002

Figure 12a. Wild species biomass density as a function of distance from water in the swamps

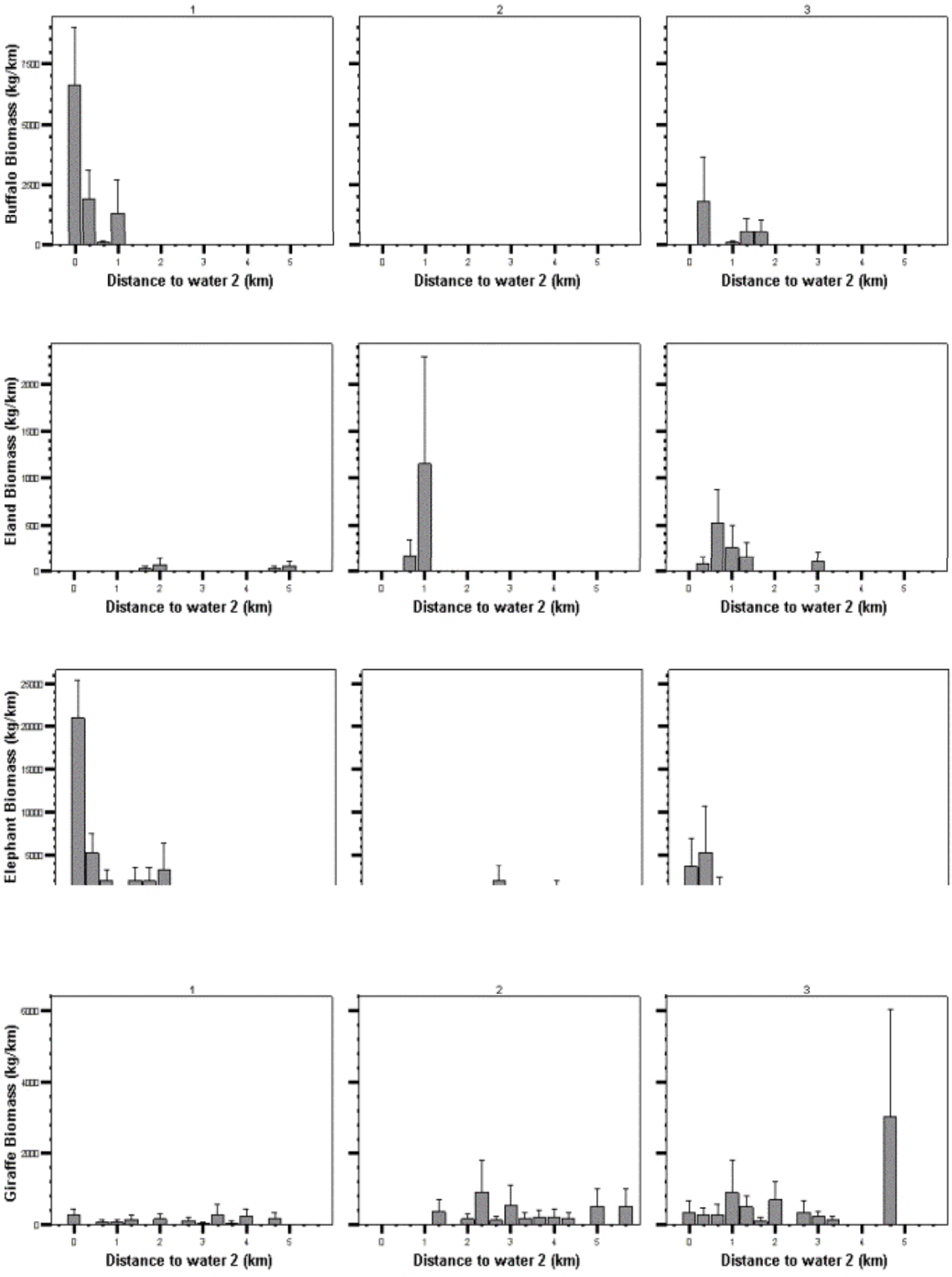


Figure 12a (cont.). Wild species biomass density as a function of distance from water in the swamps

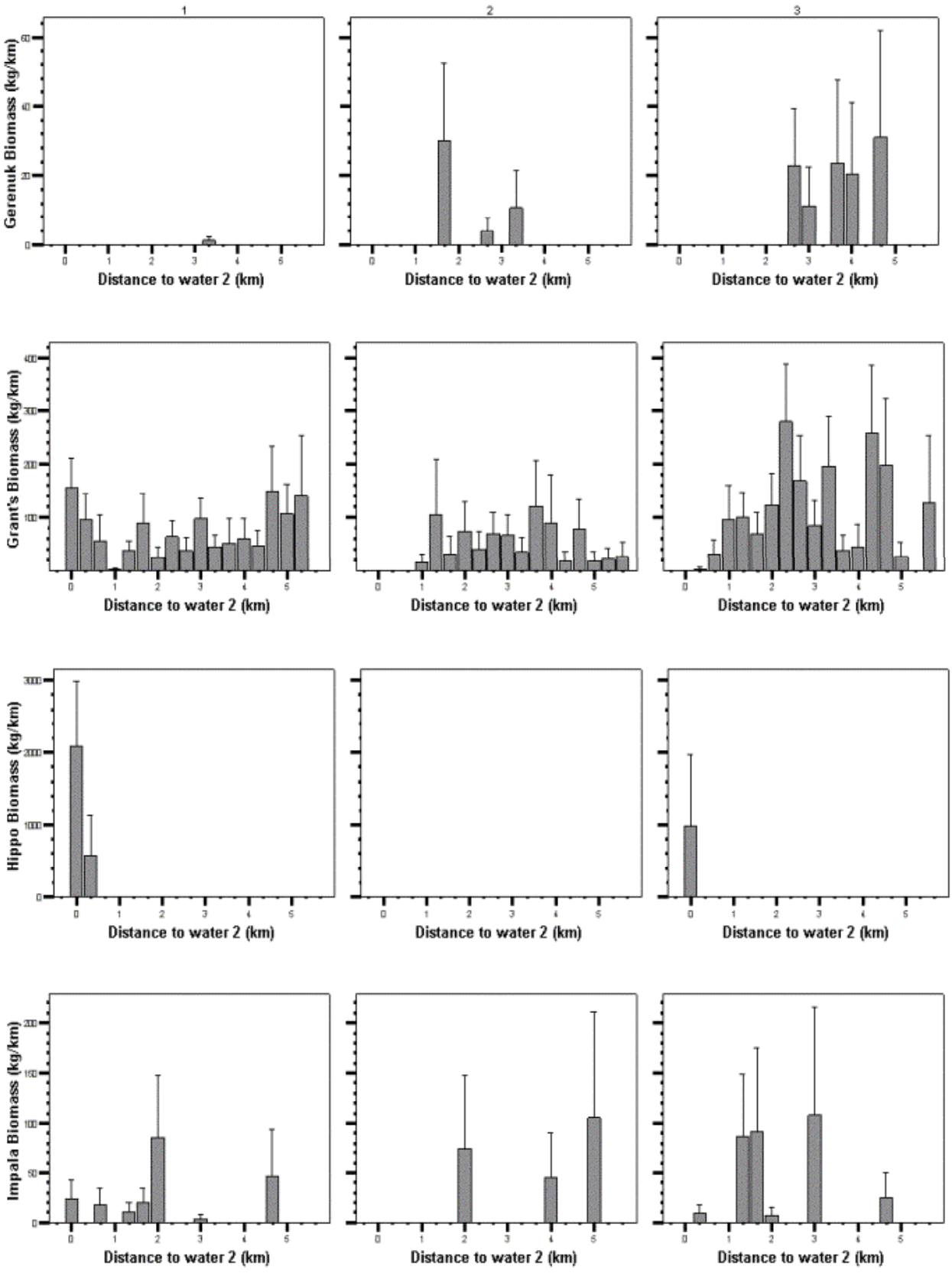


Figure 12a (cont.). Wild species biomass density as a function of distance from water in the swamps

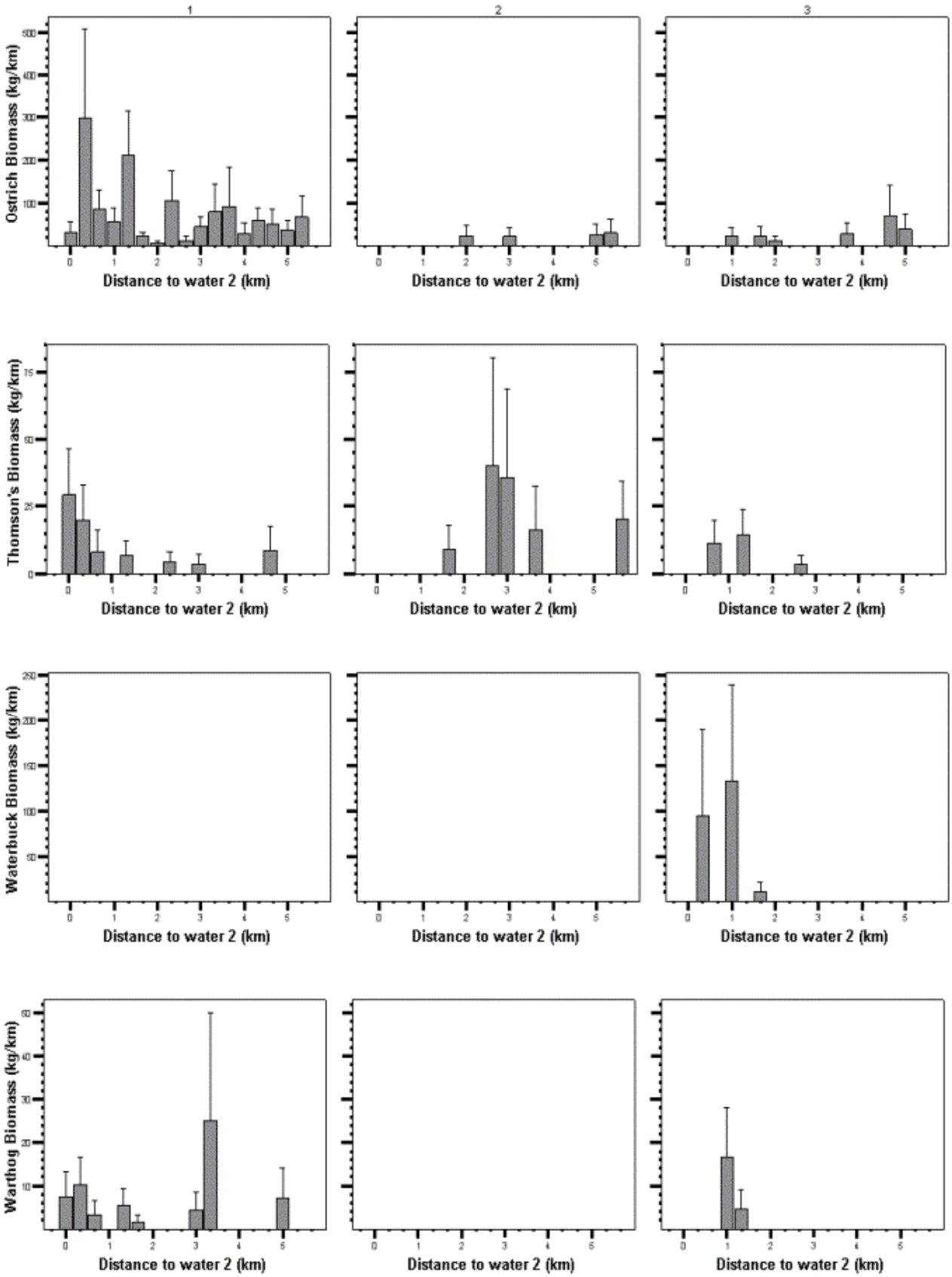


Figure 12a (cont.). Wild species biomass density as a function of distance from water in the swamps

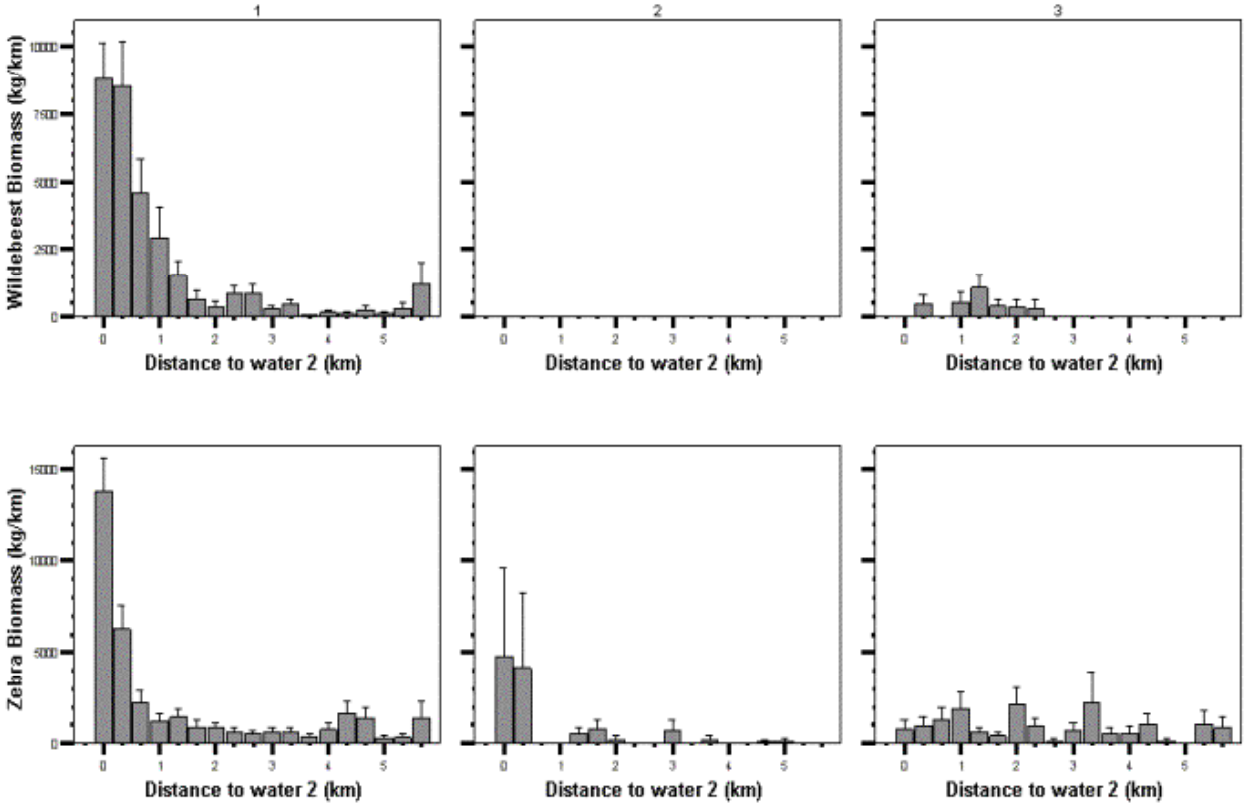


Figure 12b Livestock biomass density as a function of distance from water in the swamps

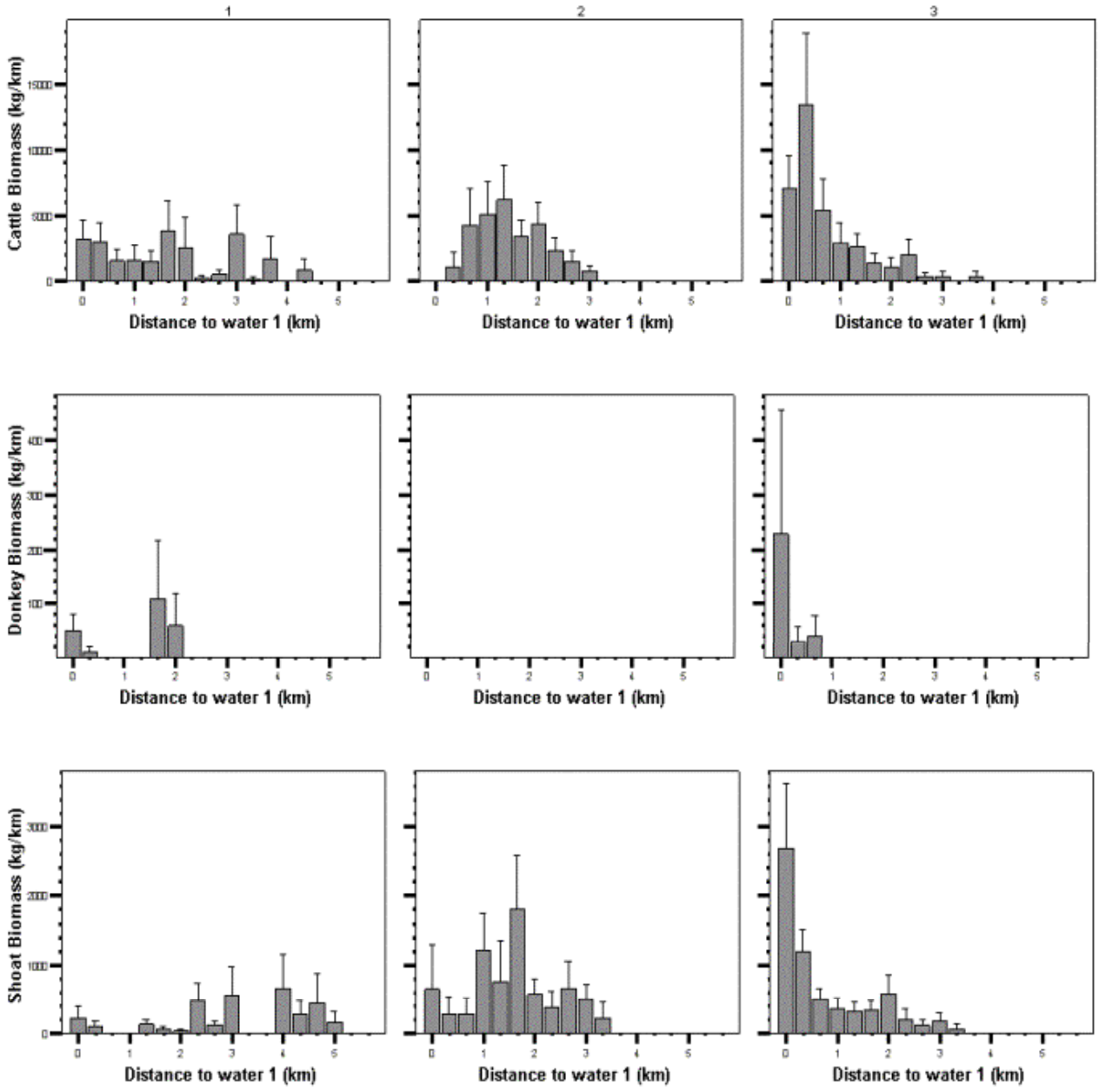


Figure 13. Distribution of wildlife species richness per sub-block as a function of distance from water in the Amboseli

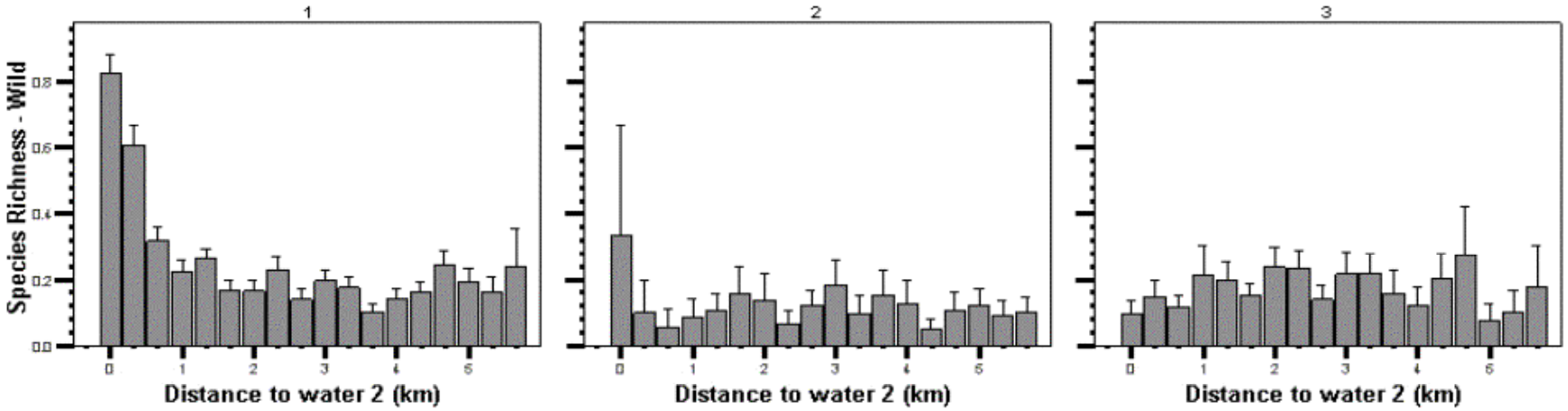


Figure 14a. Biomass density of grazers as a function of distance to water

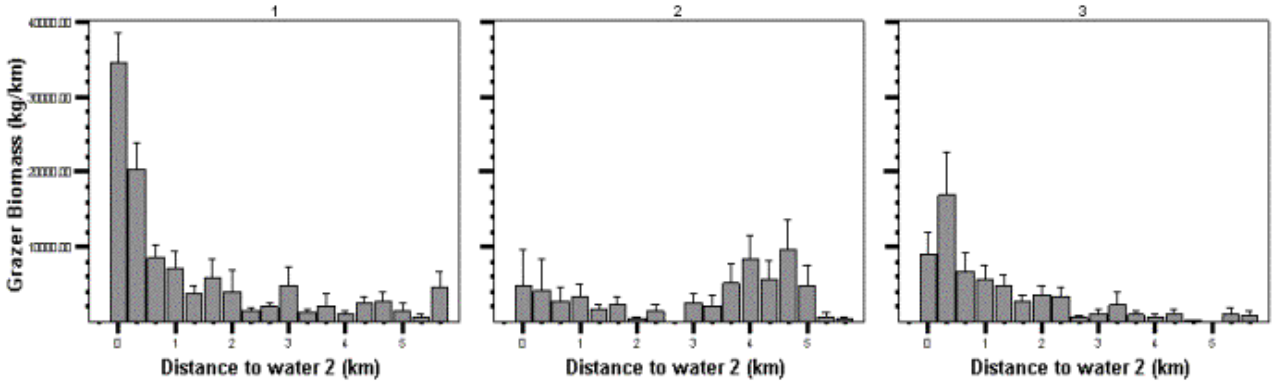


Figure 14b. Biomass density of mixed feeders as a function of distance to water

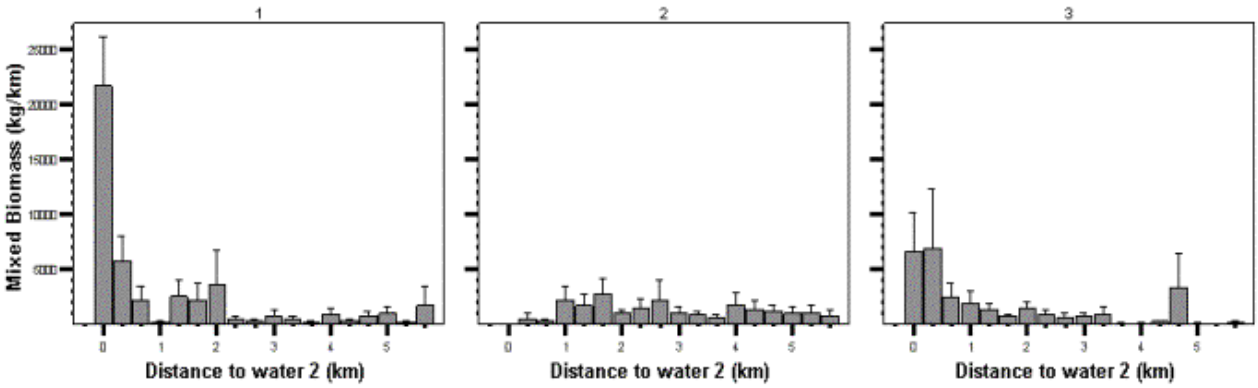


Figure 15a. Distribution of settlements for the entire study area as a function of distance from water

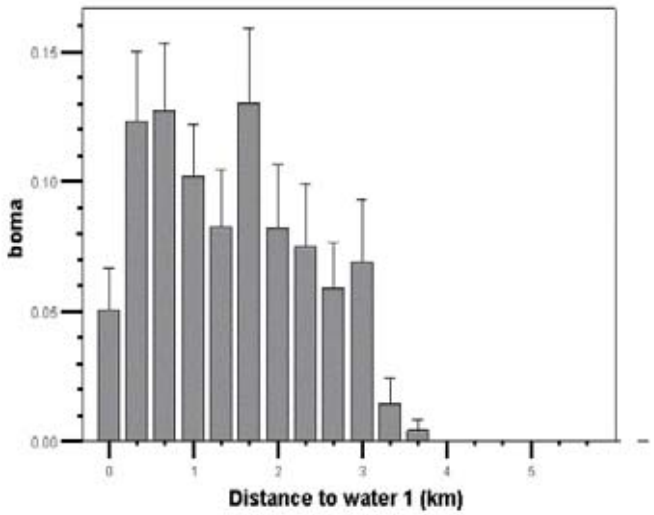


Figure 15b. Distribution of settlements as a function of distance from

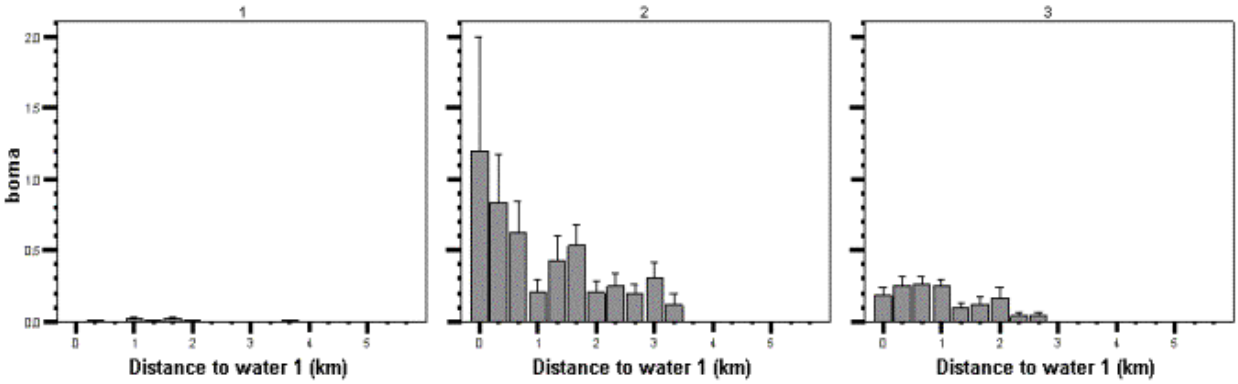


Figure 16. Distribution of wildlife species in relation to domestic animals

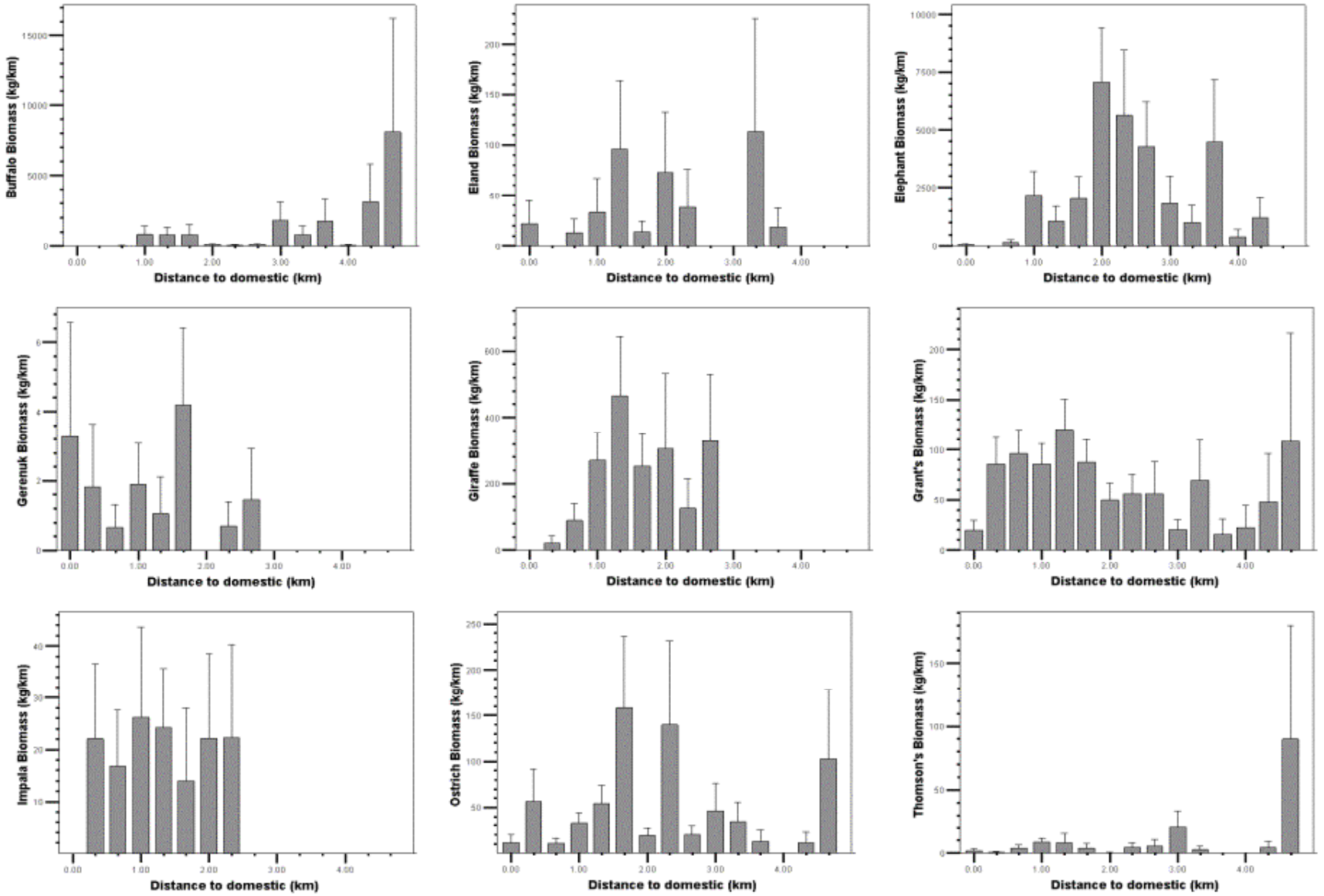
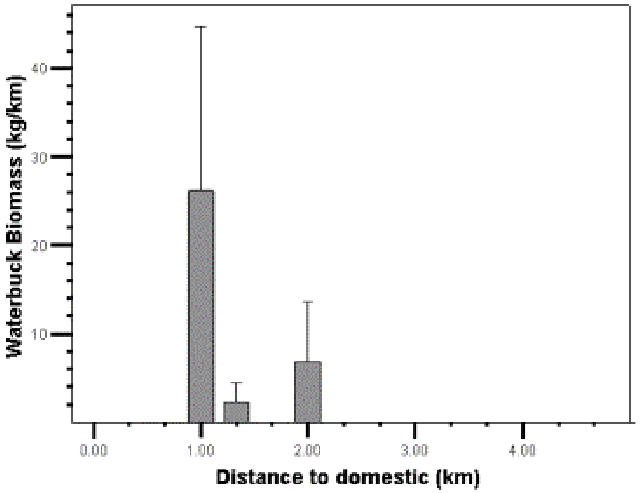
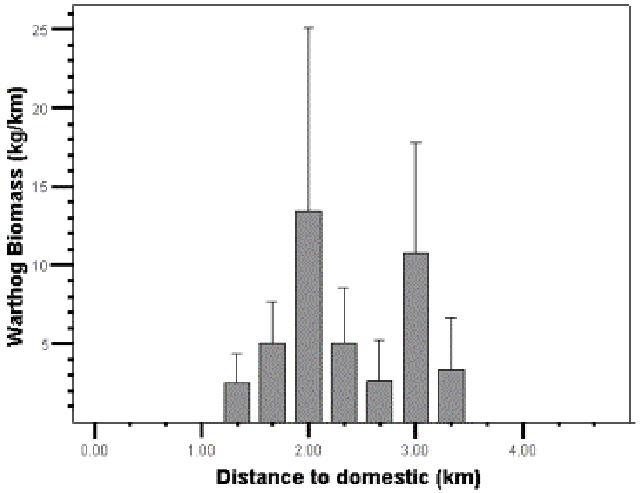
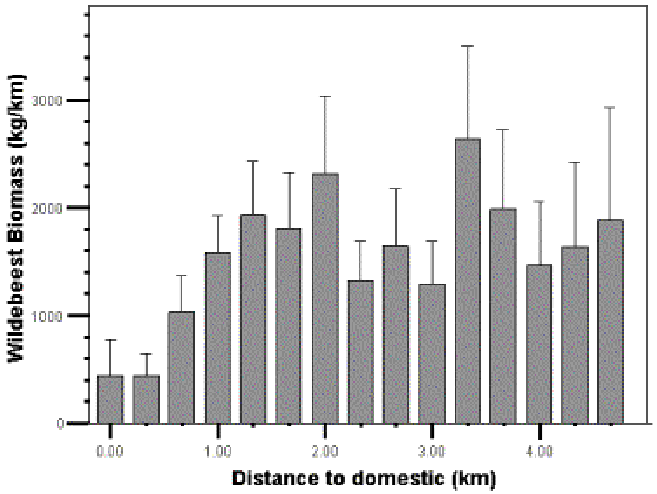


Figure 16 (cont.). Distribution of wildlife species in relation to domestic animals







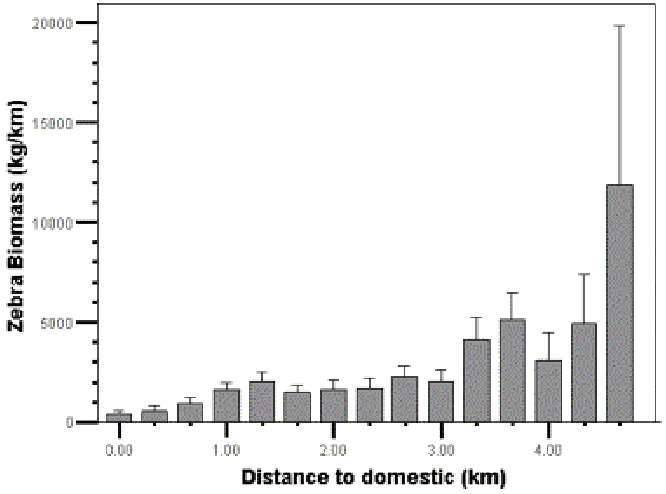
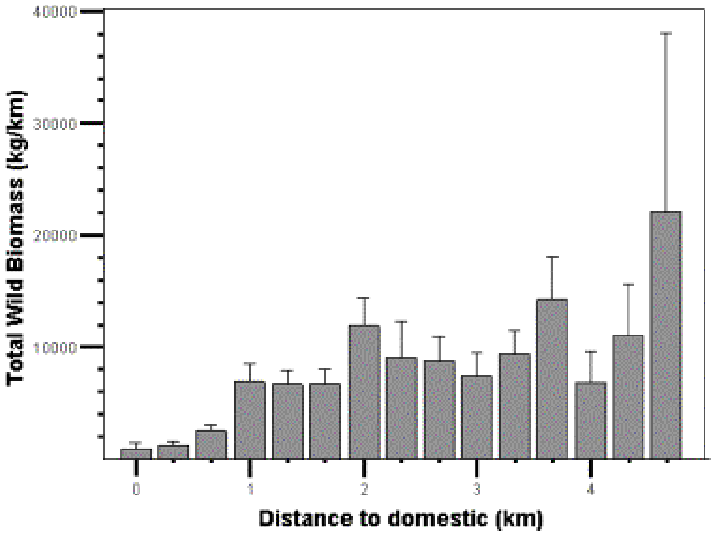
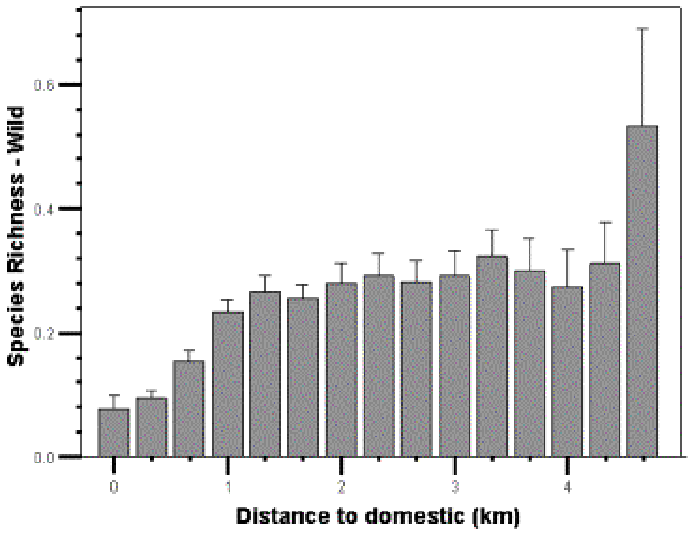
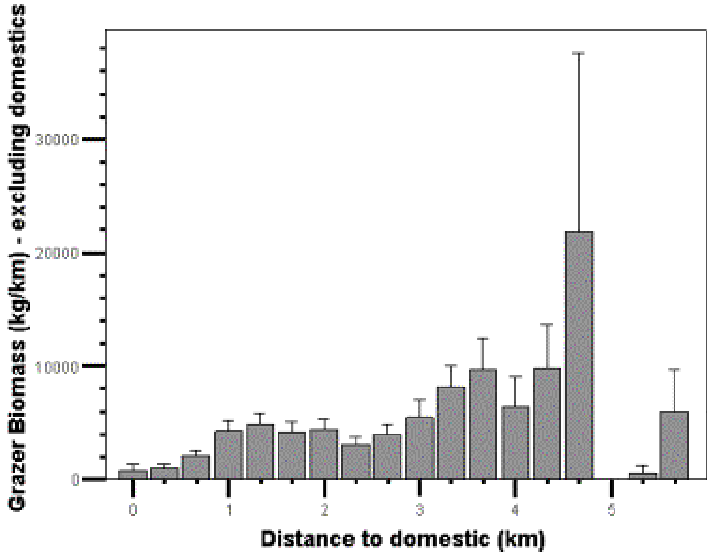


Figure 17. Distribution of species richness and functional groups in relation to domestic animals







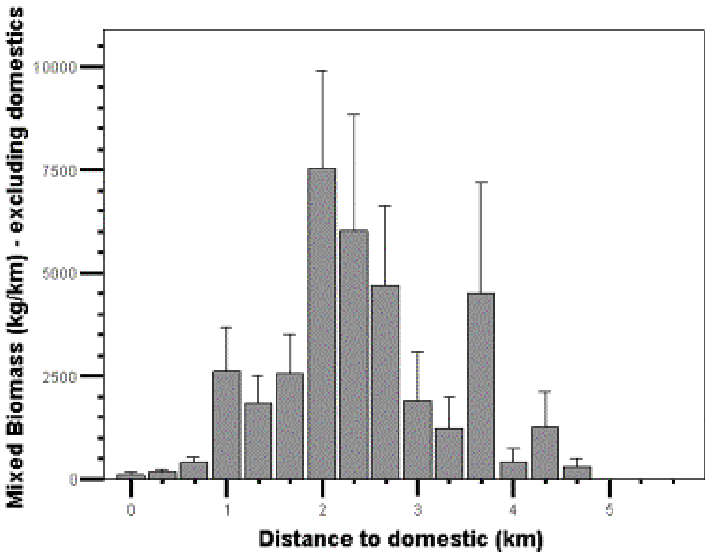


Figure 18 Distribution of mean species richness (a), grazer biomass density (b), and mixed feeder biomass density (c), as a function of distance to livestock

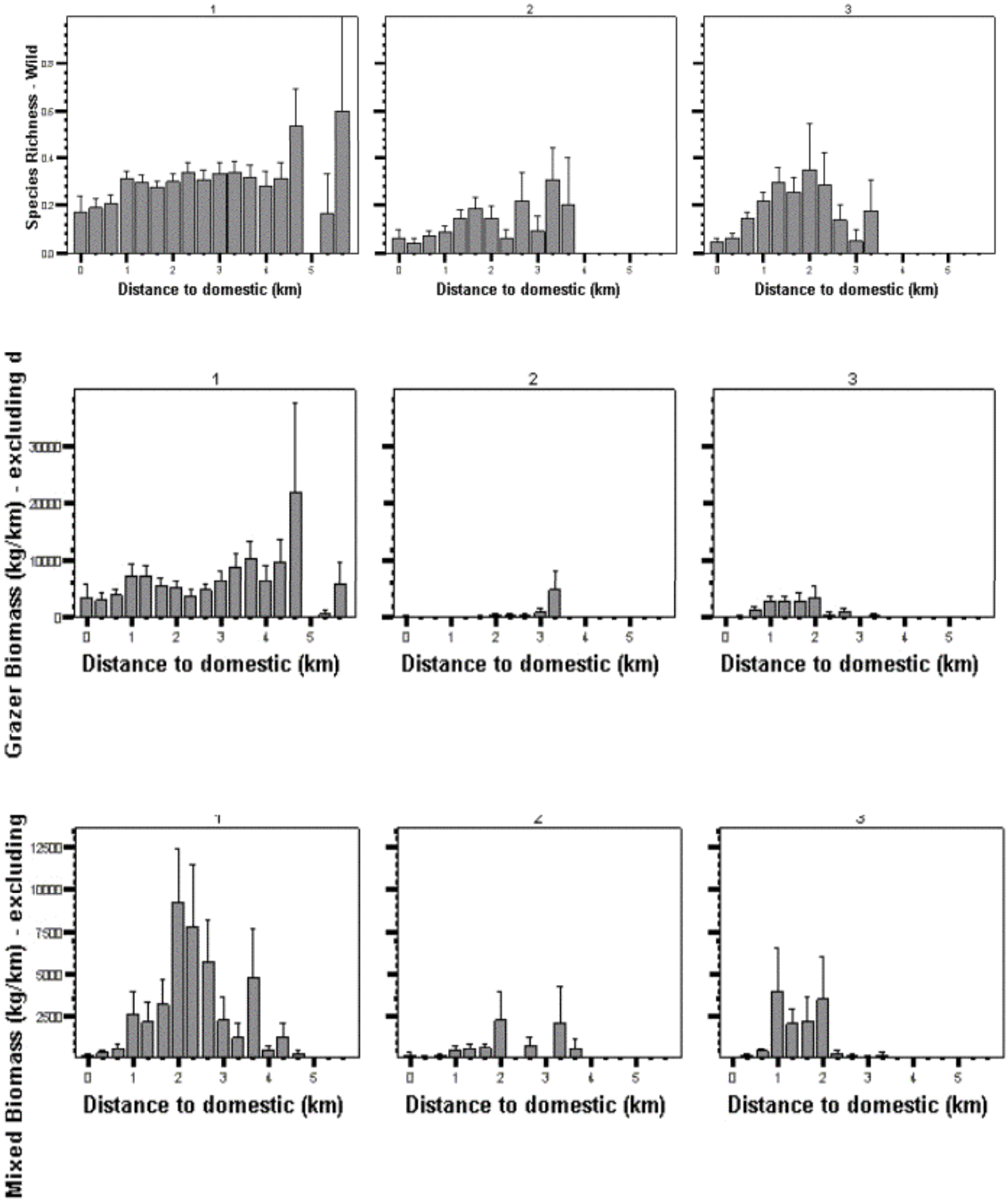


Figure 19. Wildlife biomass density as a function of distance from livestock

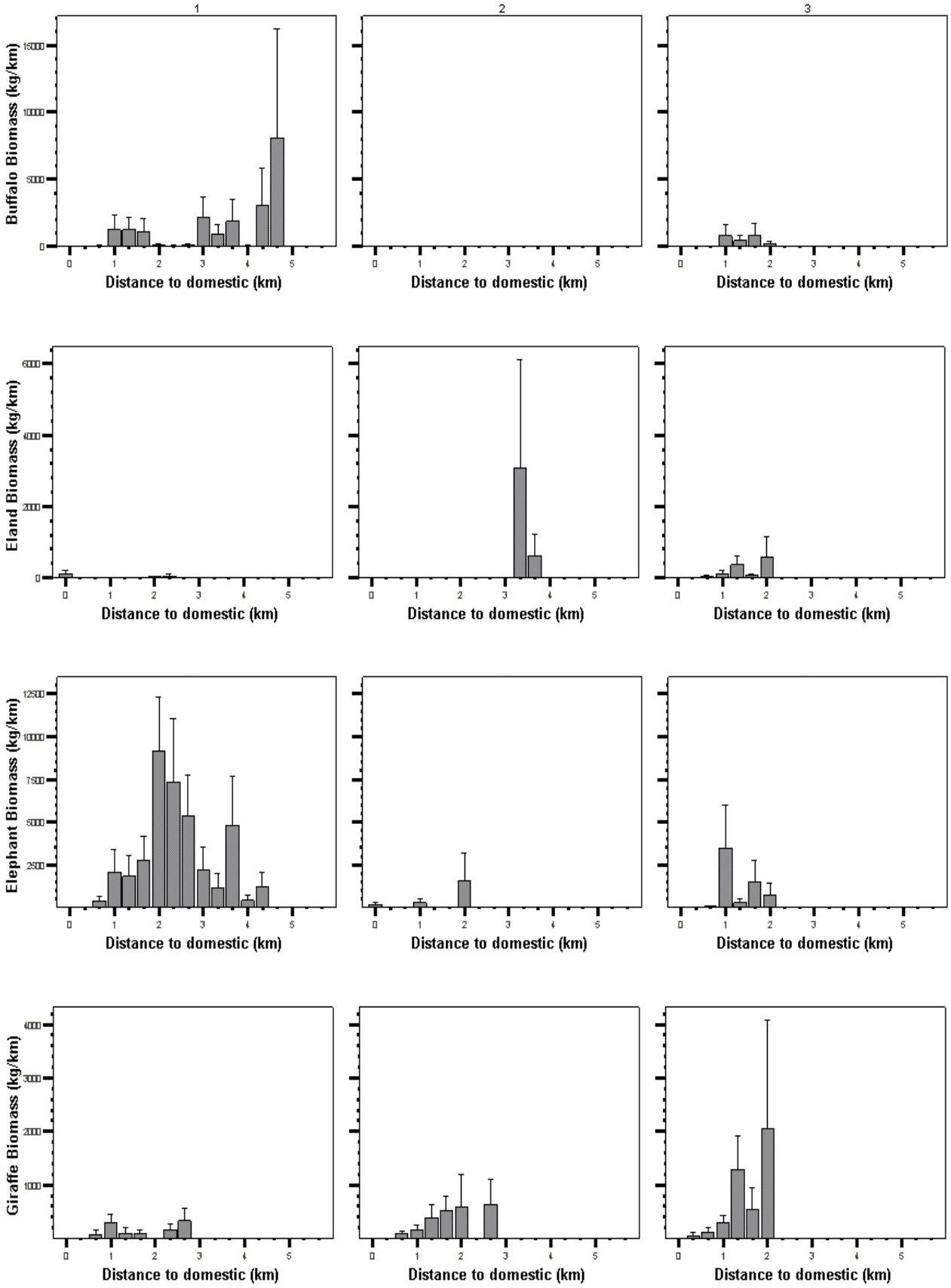


Figure 19 (cont.). Wildlife biomass density as a function of distance from livestock

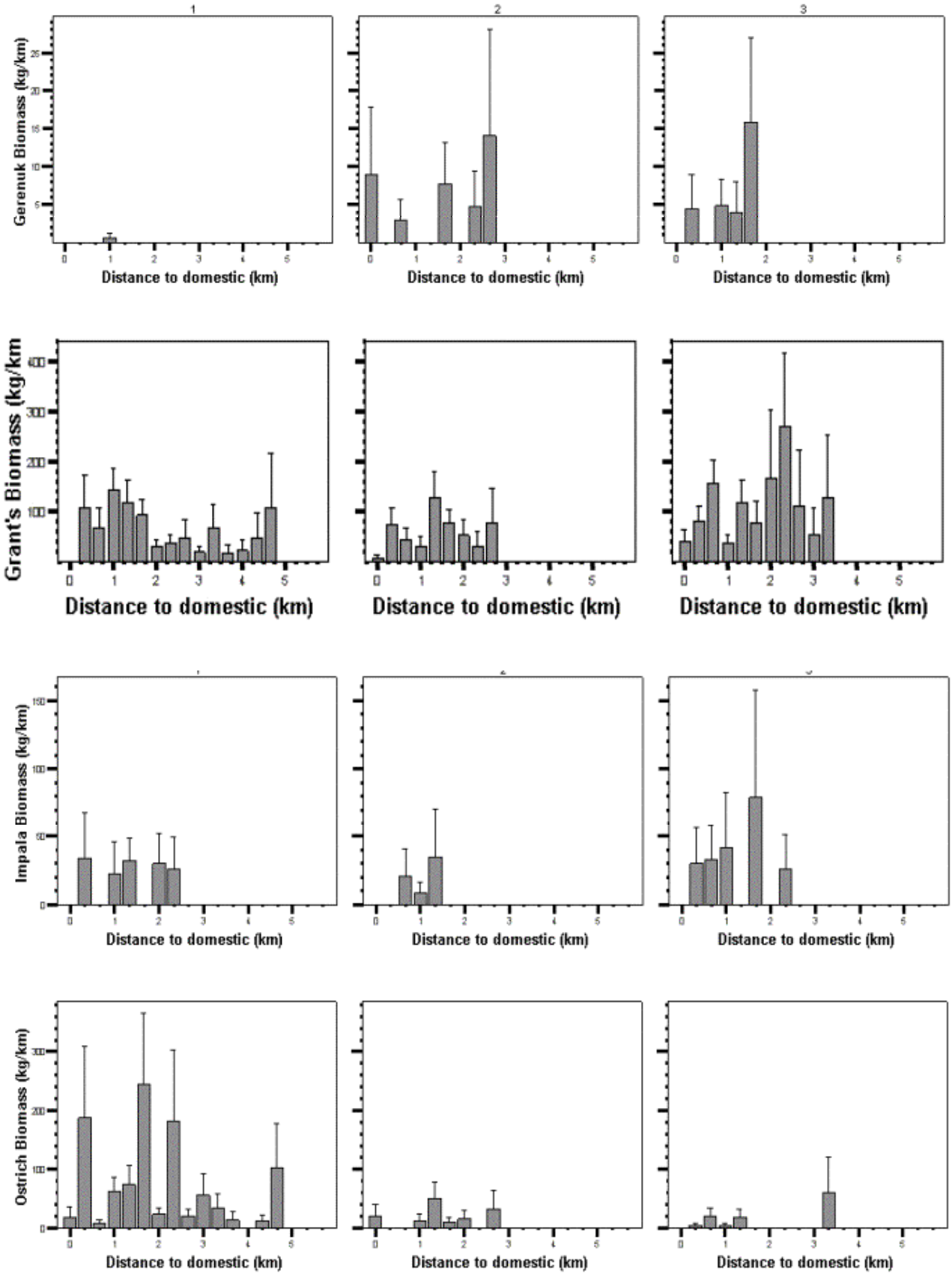


Figure 19 (cont.) Wildlife biomass density as a function of distance from livestock

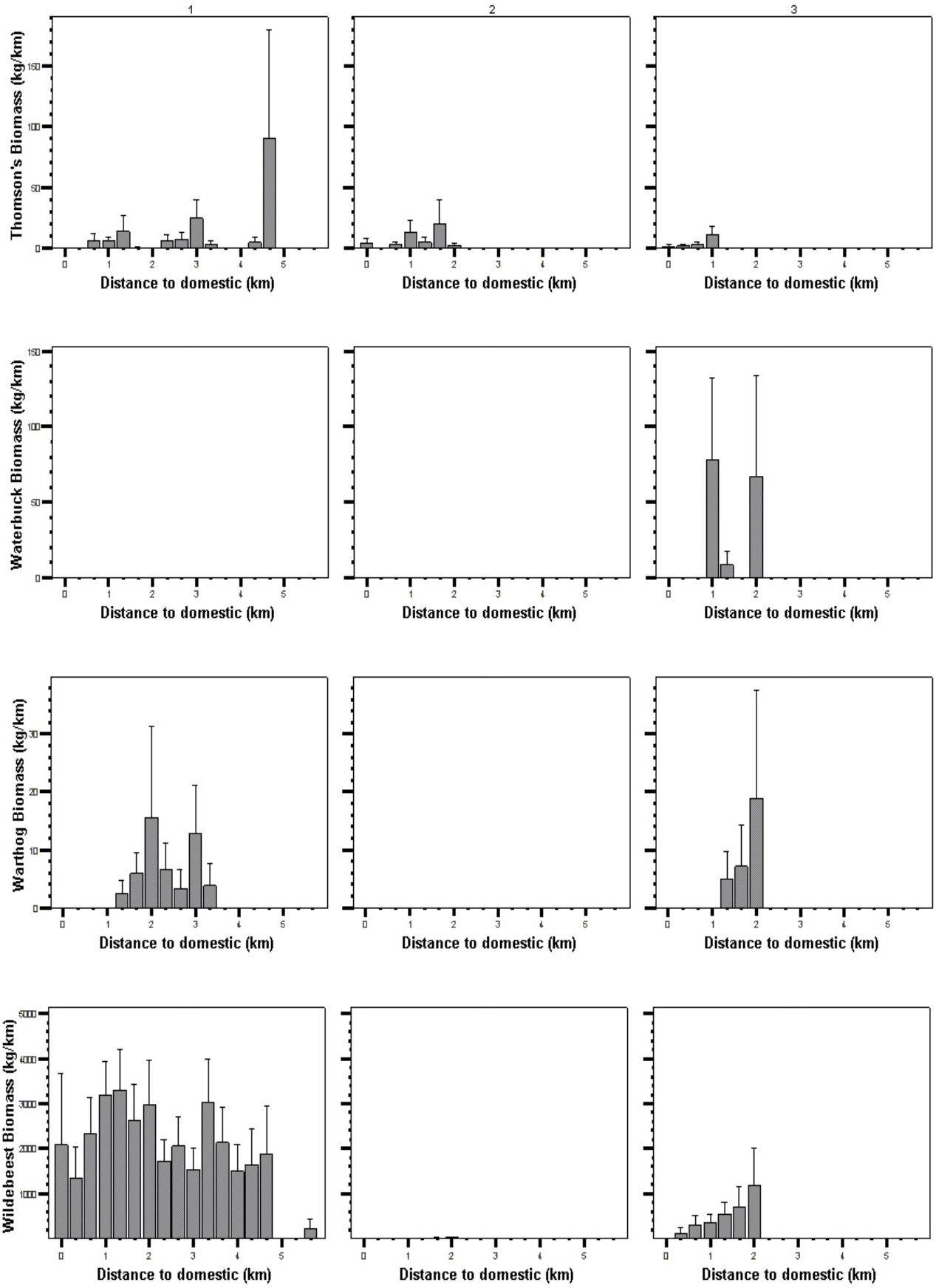


Figure 19 (cont.). Wildlife biomass density as a function of distance from livestock

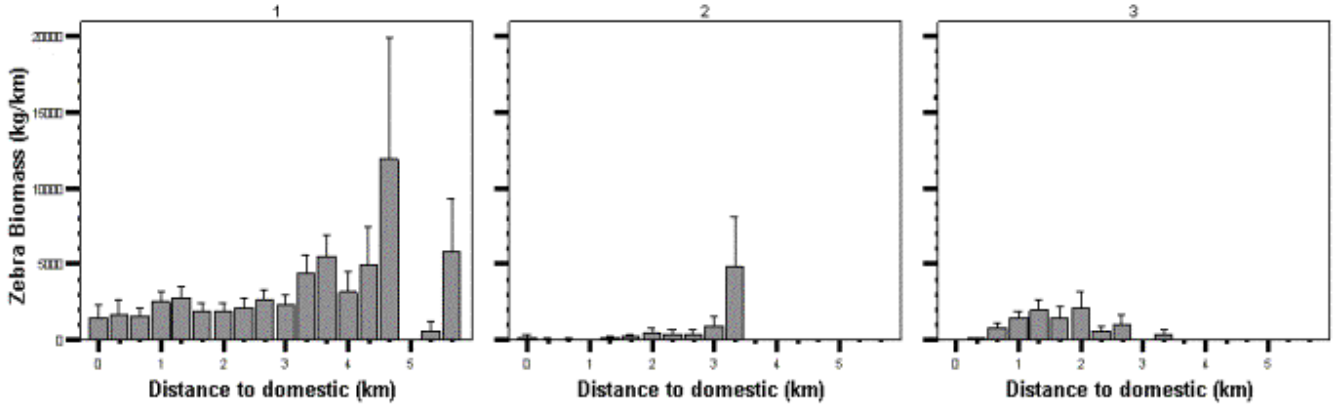


Figure 20. Conceptual models of herbivore distributions in relation to water and livestock in Amboseli