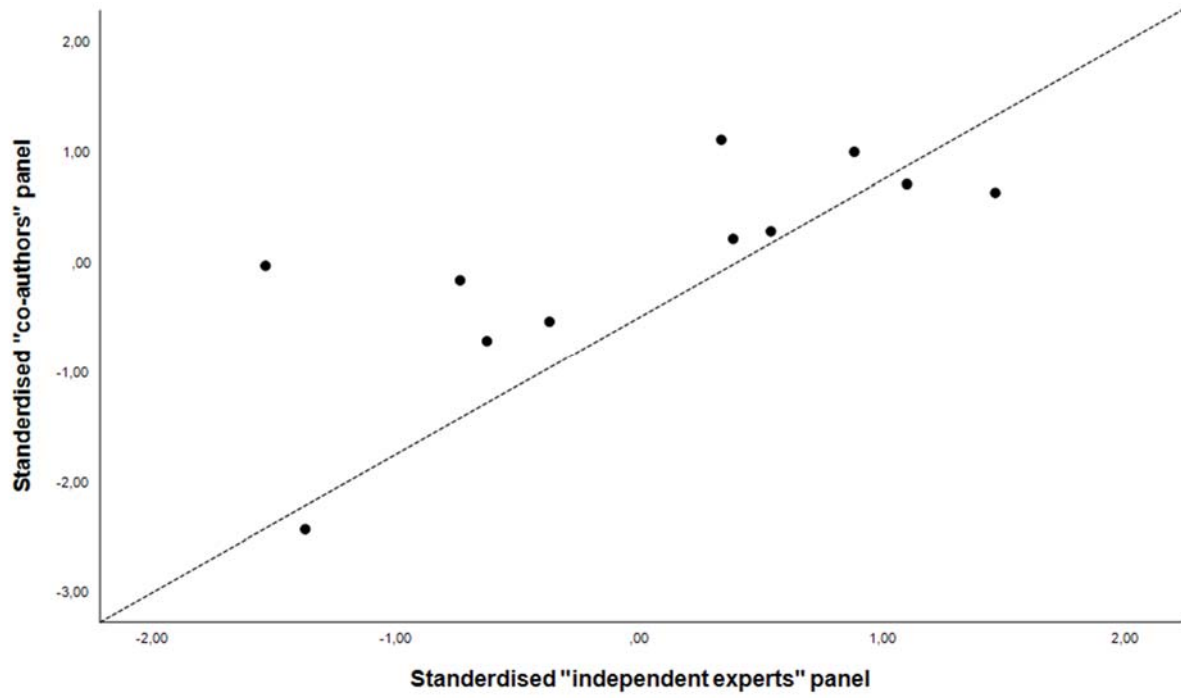
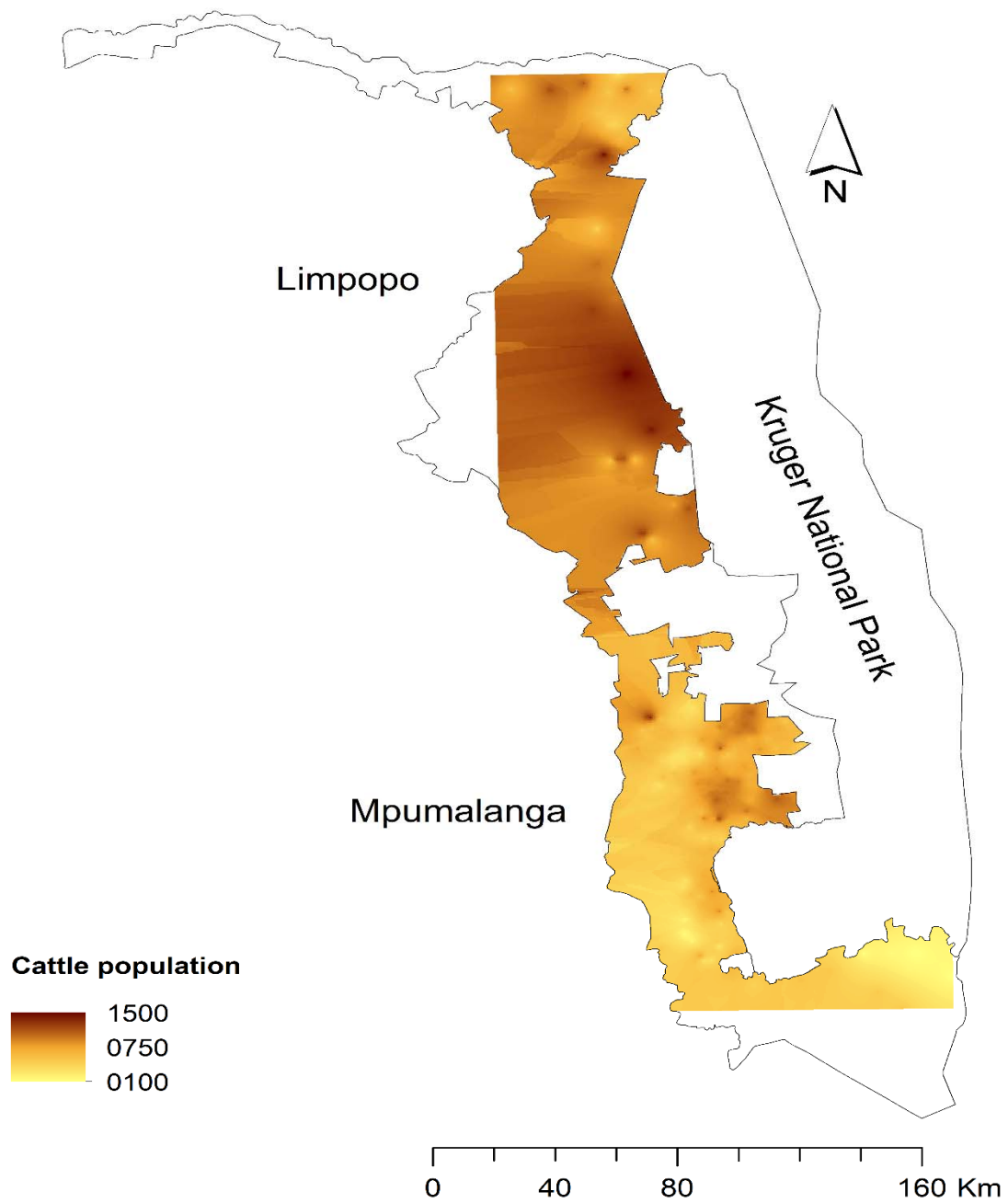


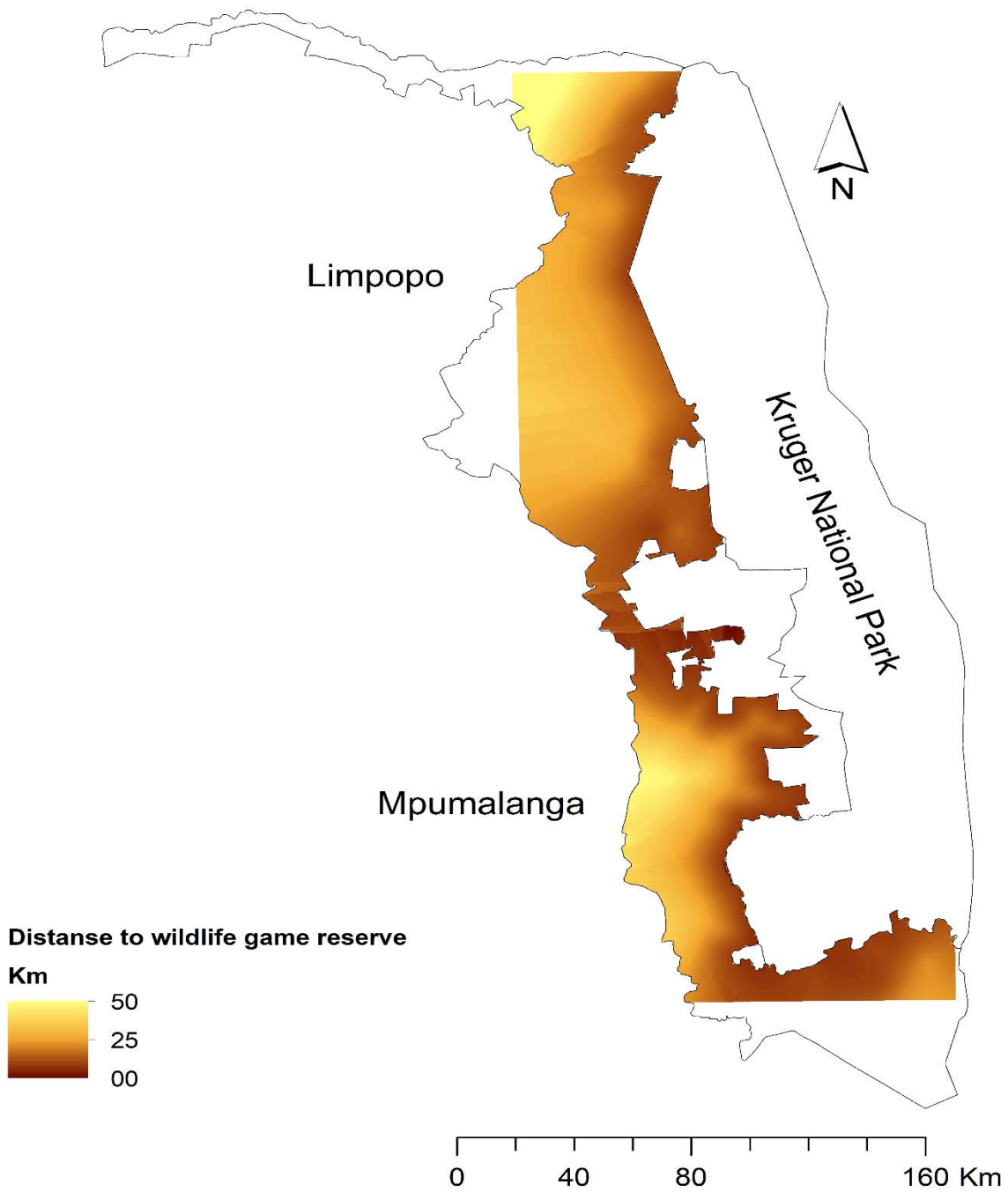
Supplemental Figure 1a. Spearman correlation of “co-authors” and “independent expert panel” for FMD occurrence (Spearman rho = 0.93; P < 0.01)



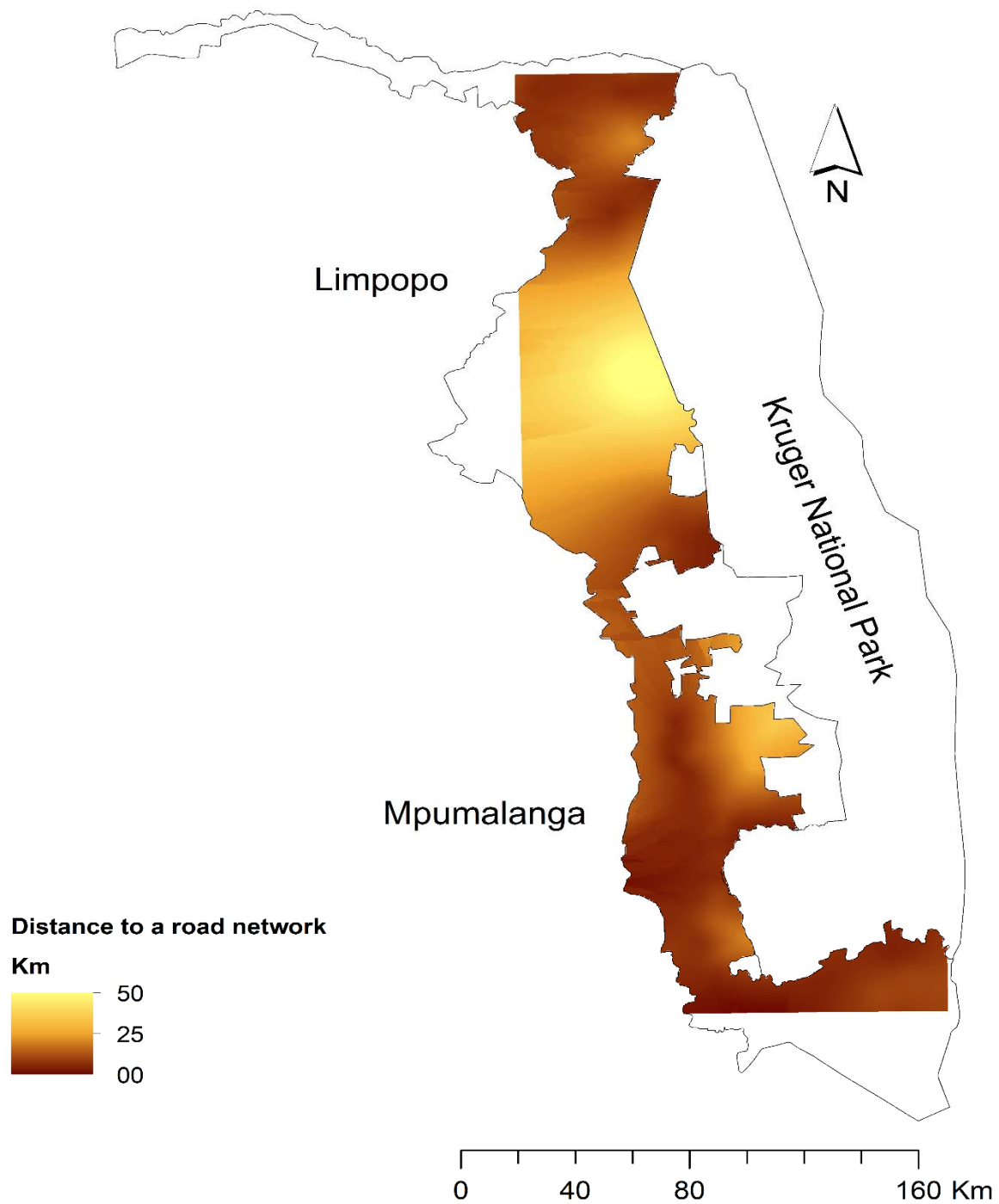
Supplemental Figure 1b. Spearman correlation of “co-authors” and “independent expert panel” for FMD Spread (Spearman rho = 0.74; P = 0.01)



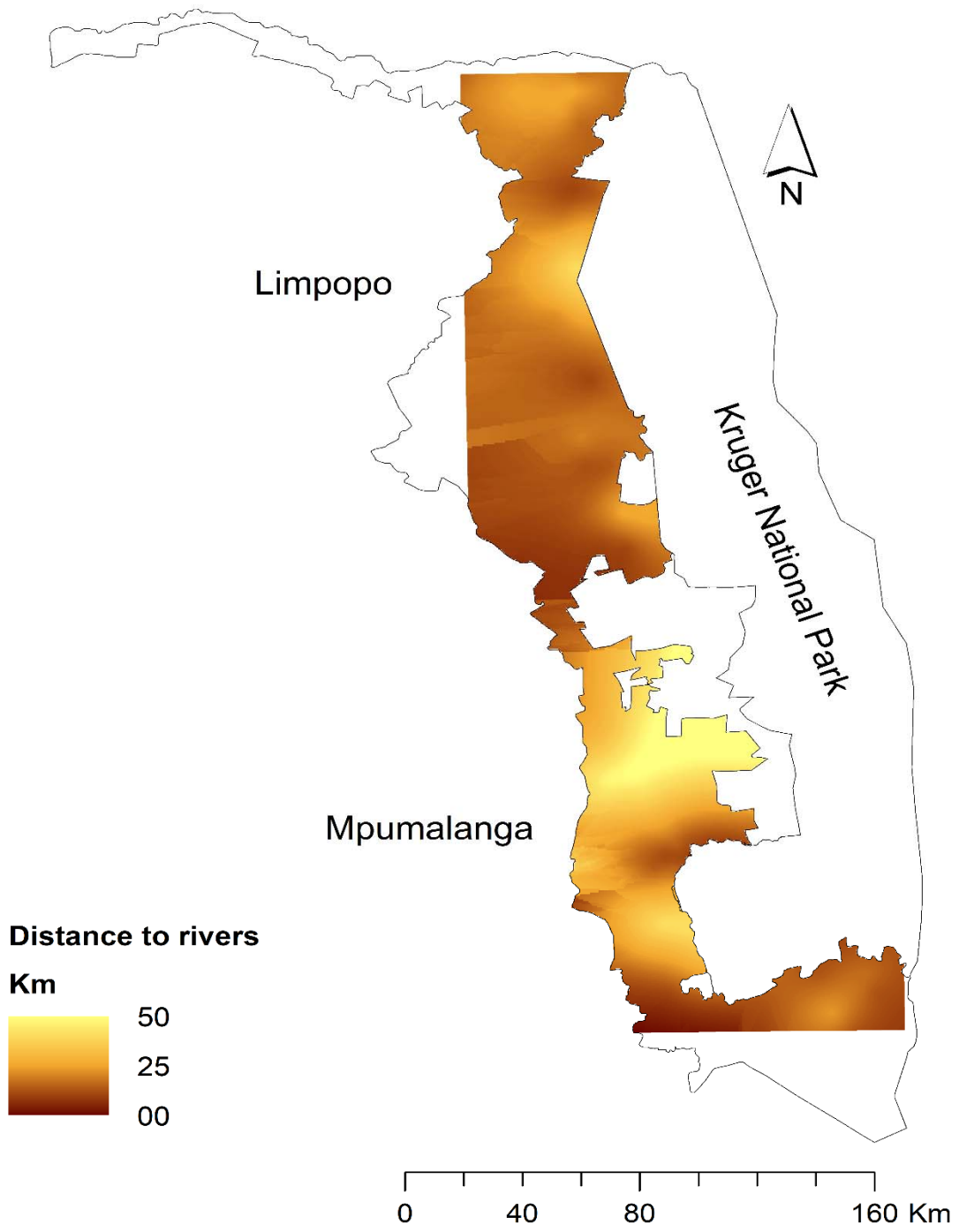
Supplemental Figure 2: Empirical Bayesian kriging (cell size 5) for cattle population in the FMD Protection zone with vaccination of South Africa (2007-2016).



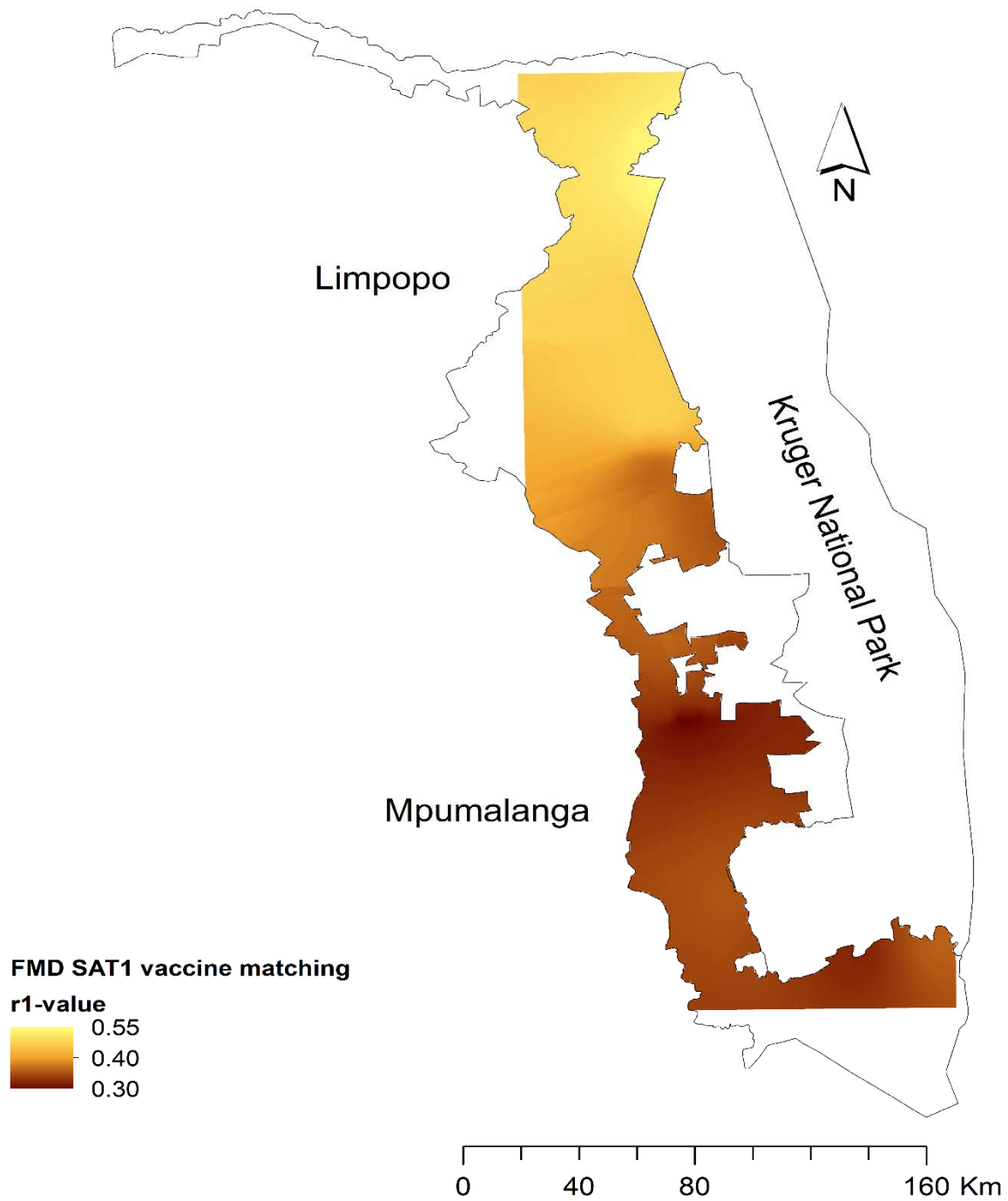
Supplemental Figure 3: Empirical Bayesian kriging (cell size 5) for proximity of dip-tanks in the FMD Protection zone with vaccination of South Africa to wildlife nature reserves.



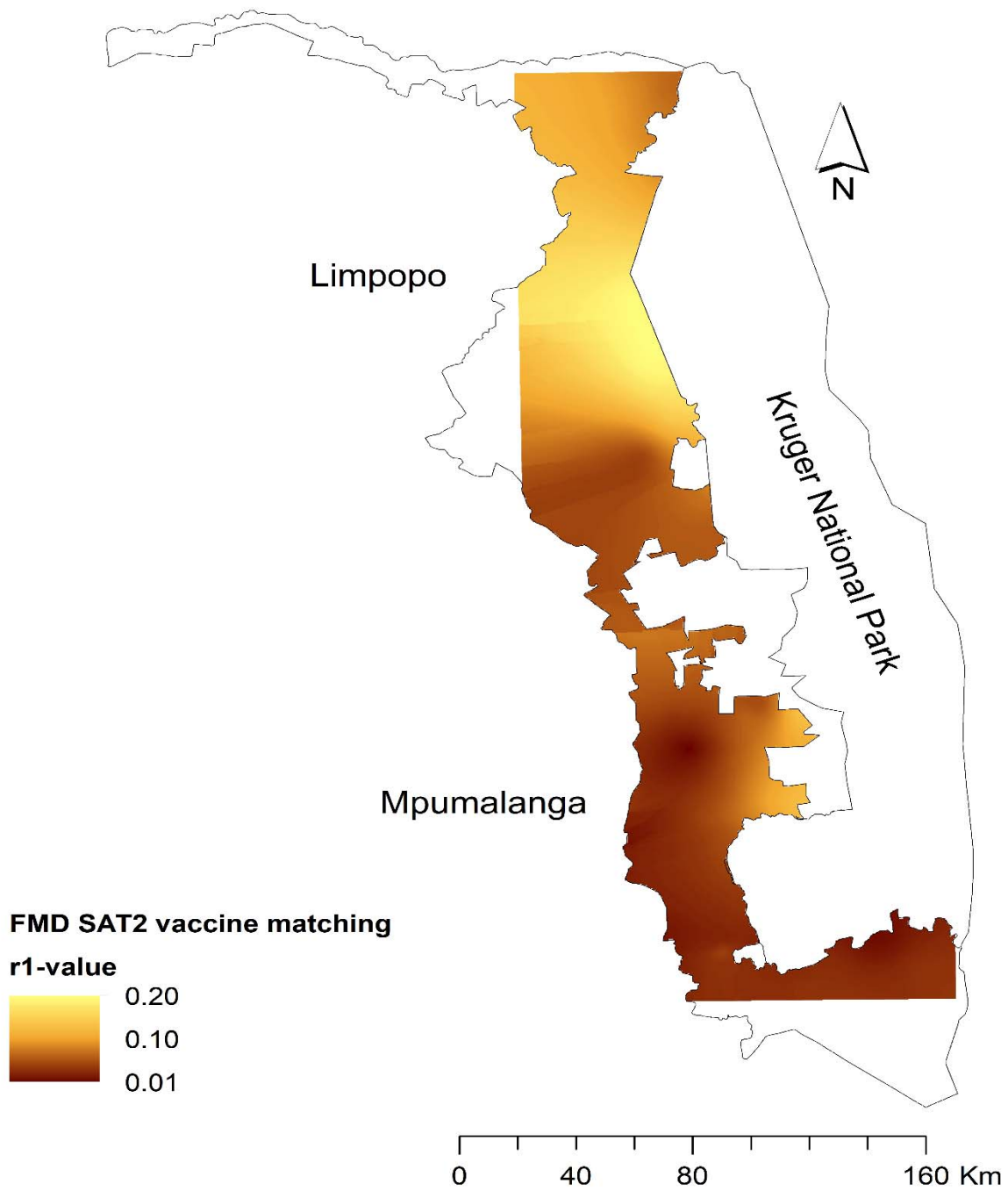
Supplemental Figure 4: Empirical Bayesian kriging (cell size 5) for proximity of dip-tanks in the FMD Protection zone with vaccination of South Africa to road networks



Supplemental Figure 5: Empirical Bayesian kriging (cell size 5) for proximity of dip-tanks in the FMD Protection zone with vaccination of South Africa to rivers

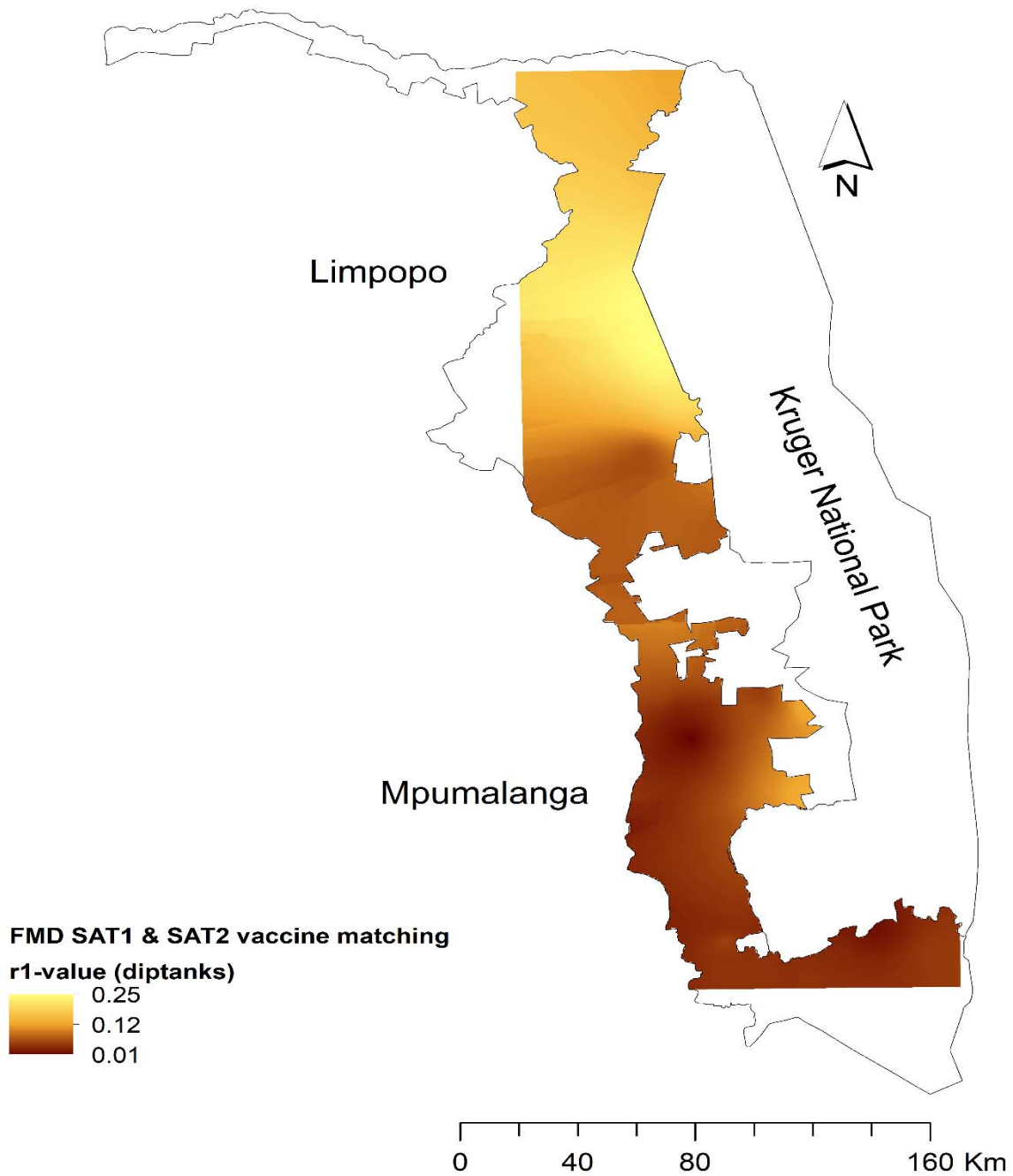


Supplemental Figure 6: Empirical Bayesian kriging (cell size 5) for SAT1 FMDV vaccine matching in the FMD Protection zone with vaccination of South Africa (2007-2016).

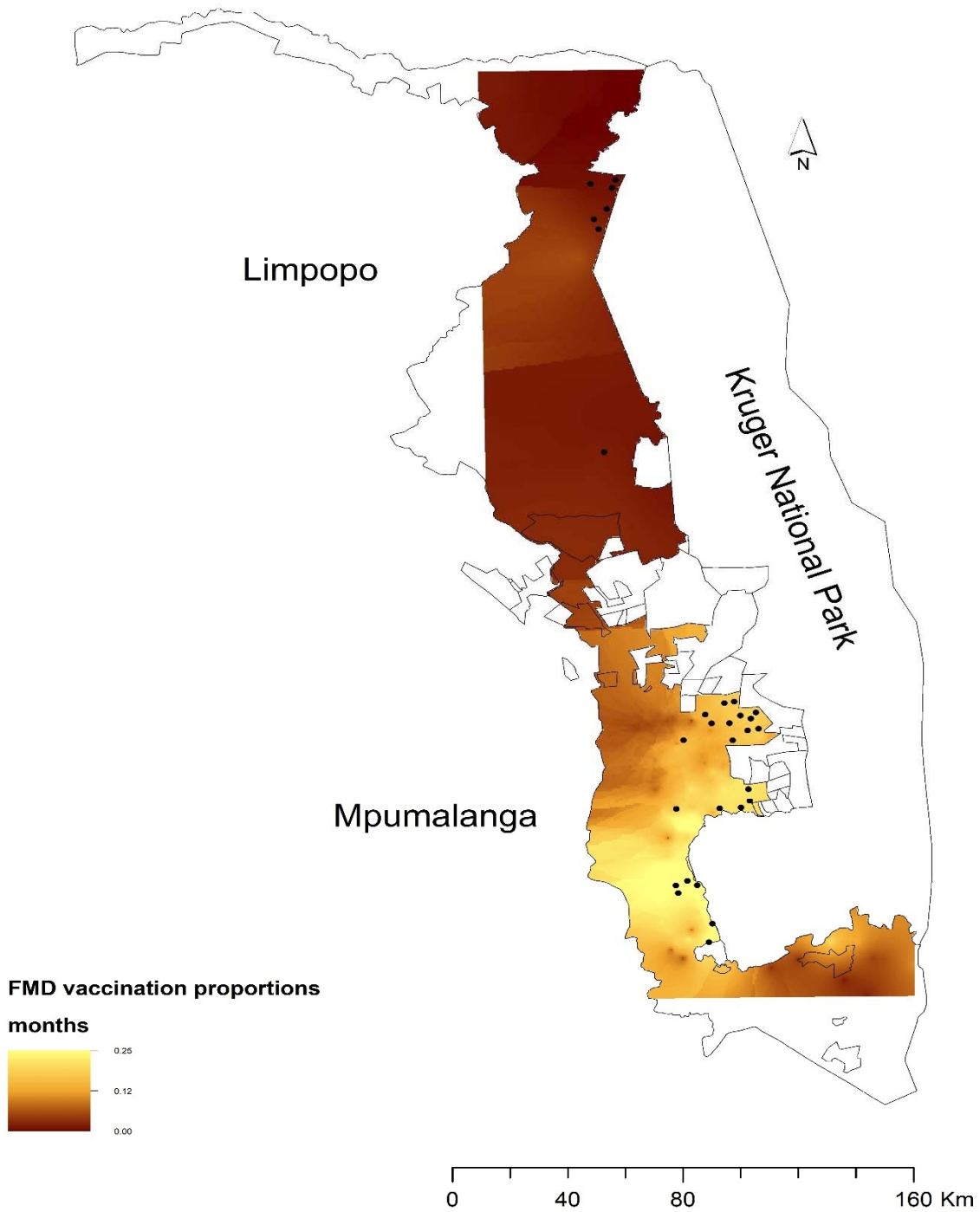


Supplemental Figure 7: Empirical Bayesian kriging (cell size 5) for SAT2 FMDV vaccine matching in the FMD Protection zone with vaccination of South Africa (2007-2016).

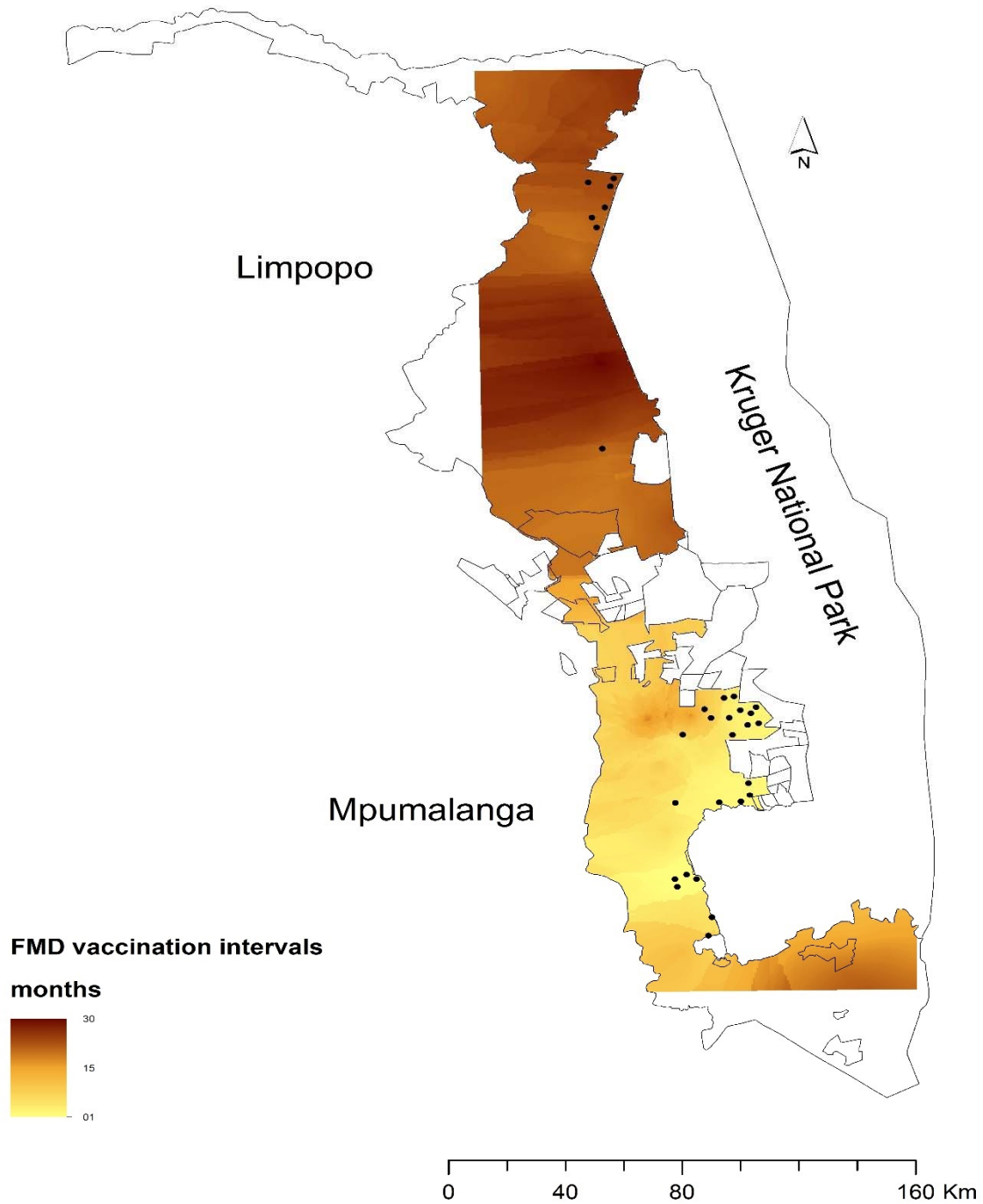




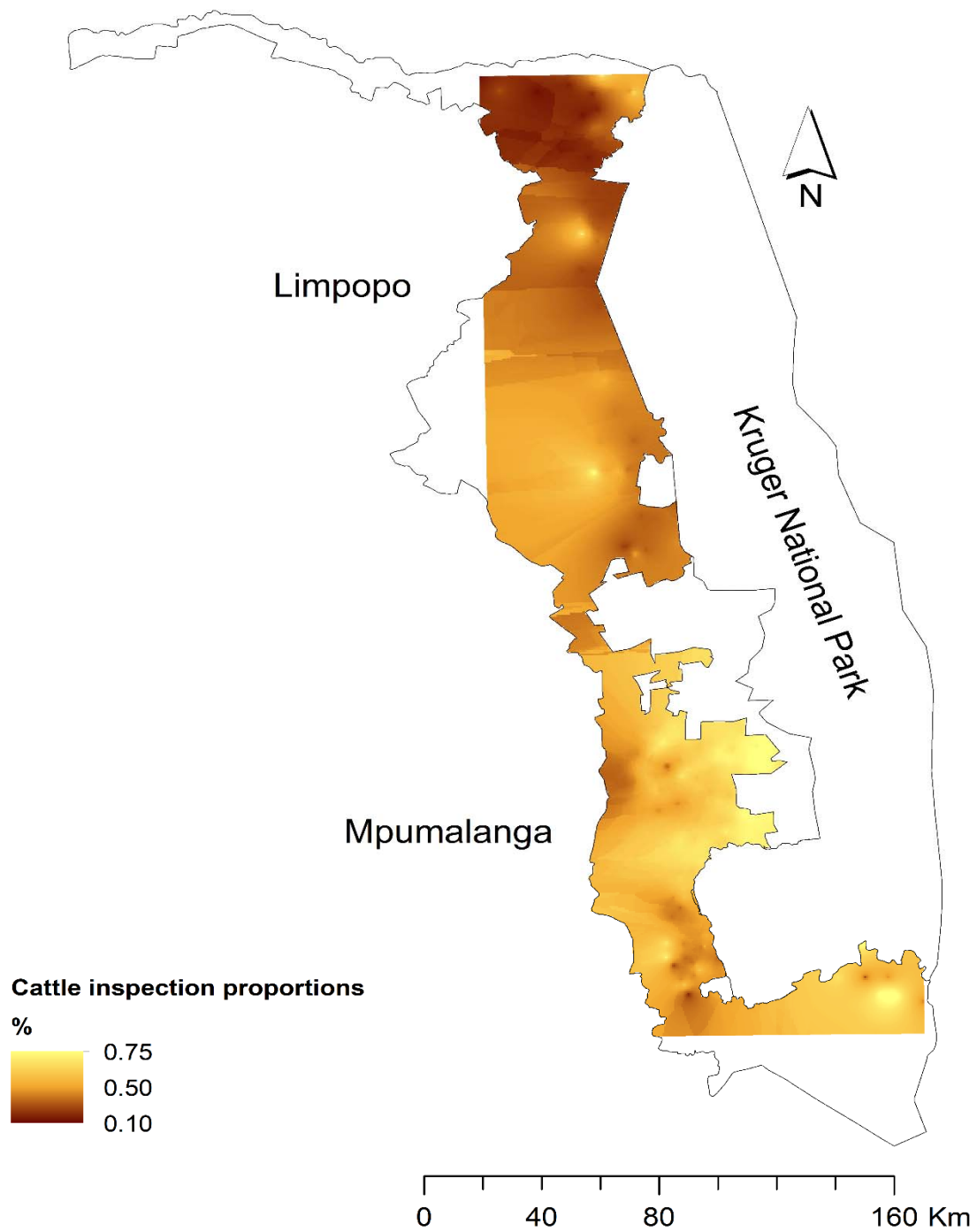
Supplemental Figure 8: Empirical Bayesian kriging (cell size 5) for weighted SAT1 and SAT2 FMDV vaccine matching weighted by affected dip-tanks in the FMD Protection zone with vaccination of South Africa (2007-2016).



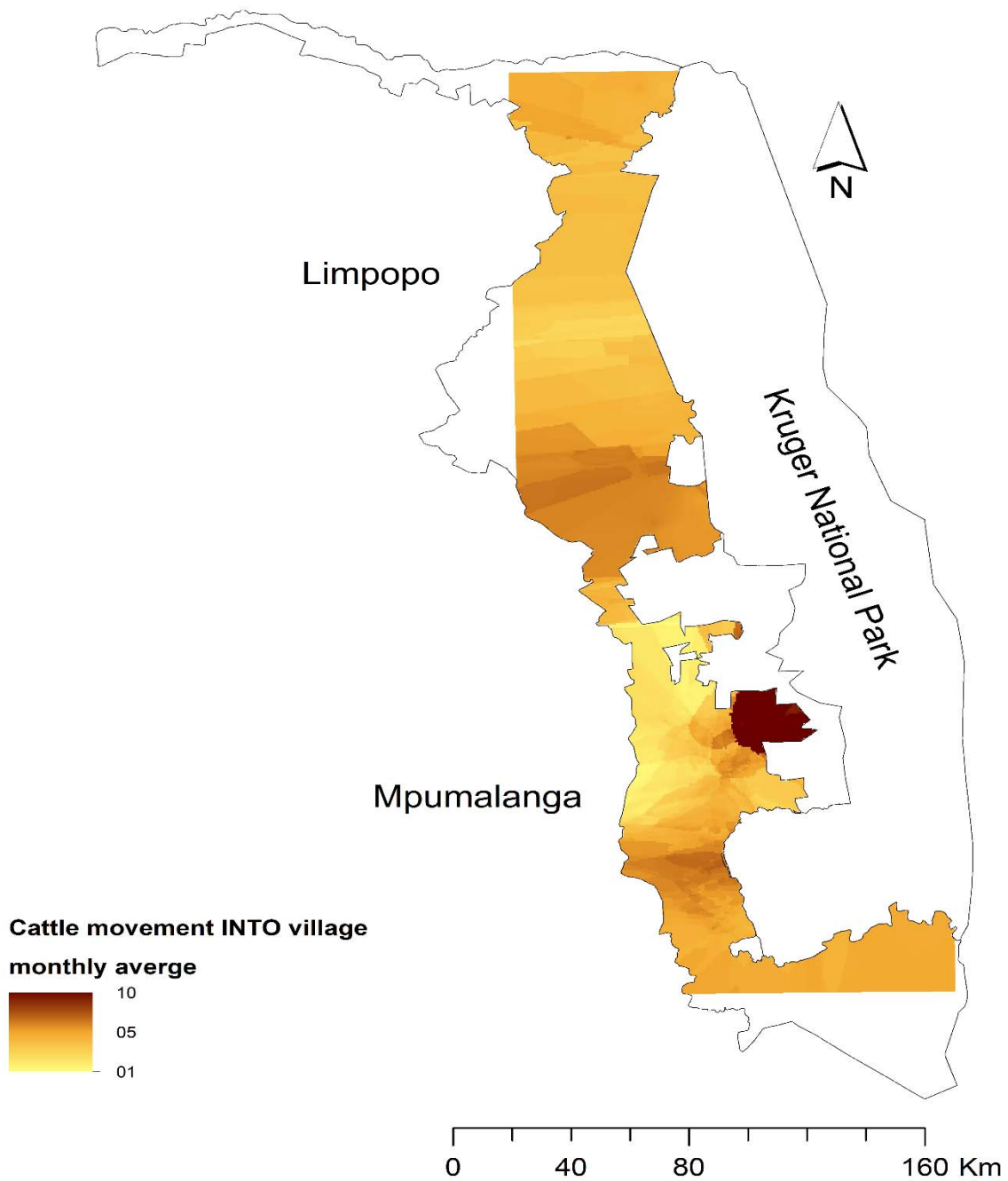
Supplemental Figure 9: Empirical Bayesian kriging (cell size 5) for vaccination proportions in the FMD Protection zone with vaccination of South Africa (2007-2016).



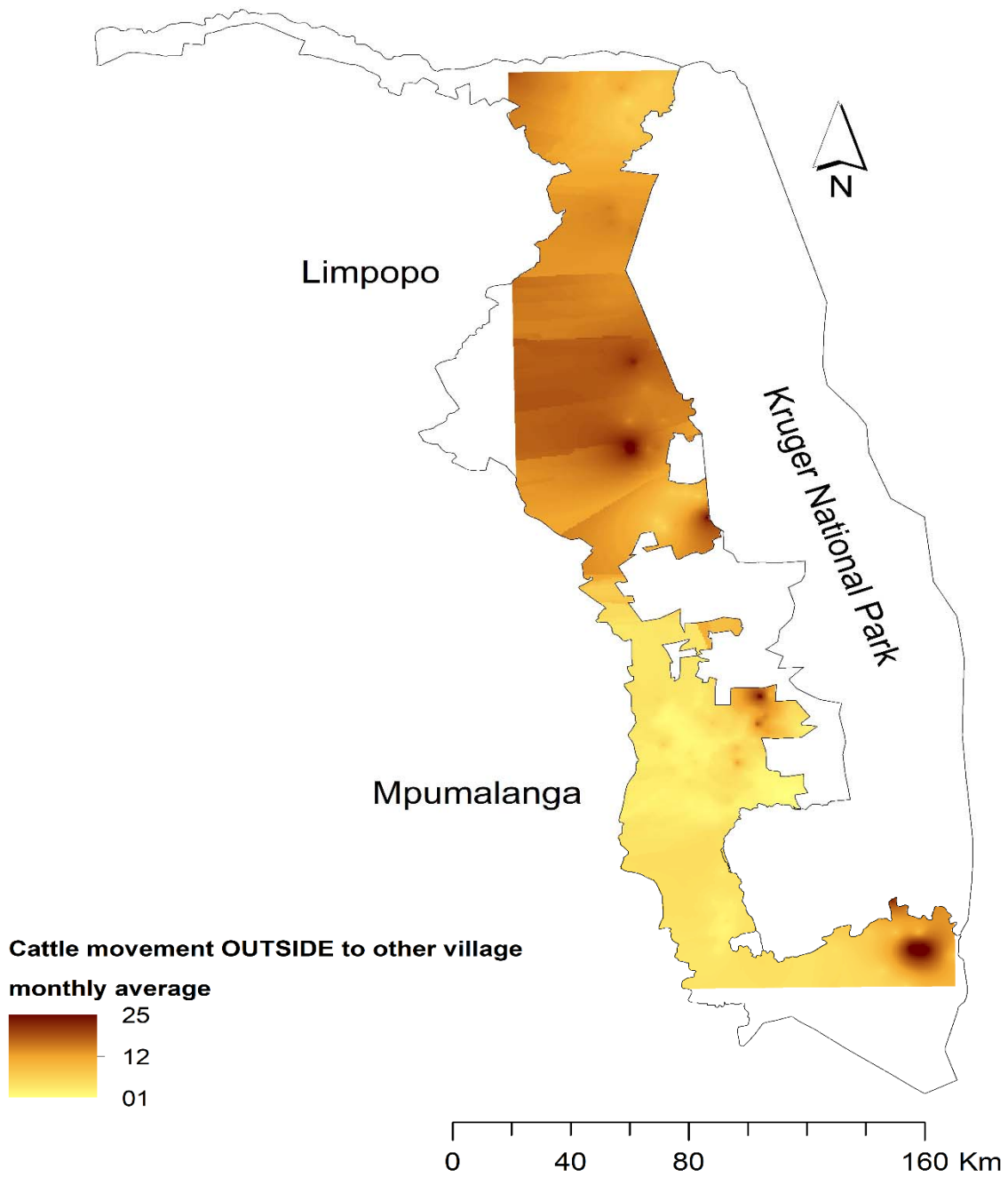
Supplemental Figure 10: Empirical Bayesian kriging (cell size 5) for vaccination intervals in the FMD Protection zone with vaccination of South Africa (2007-2016).



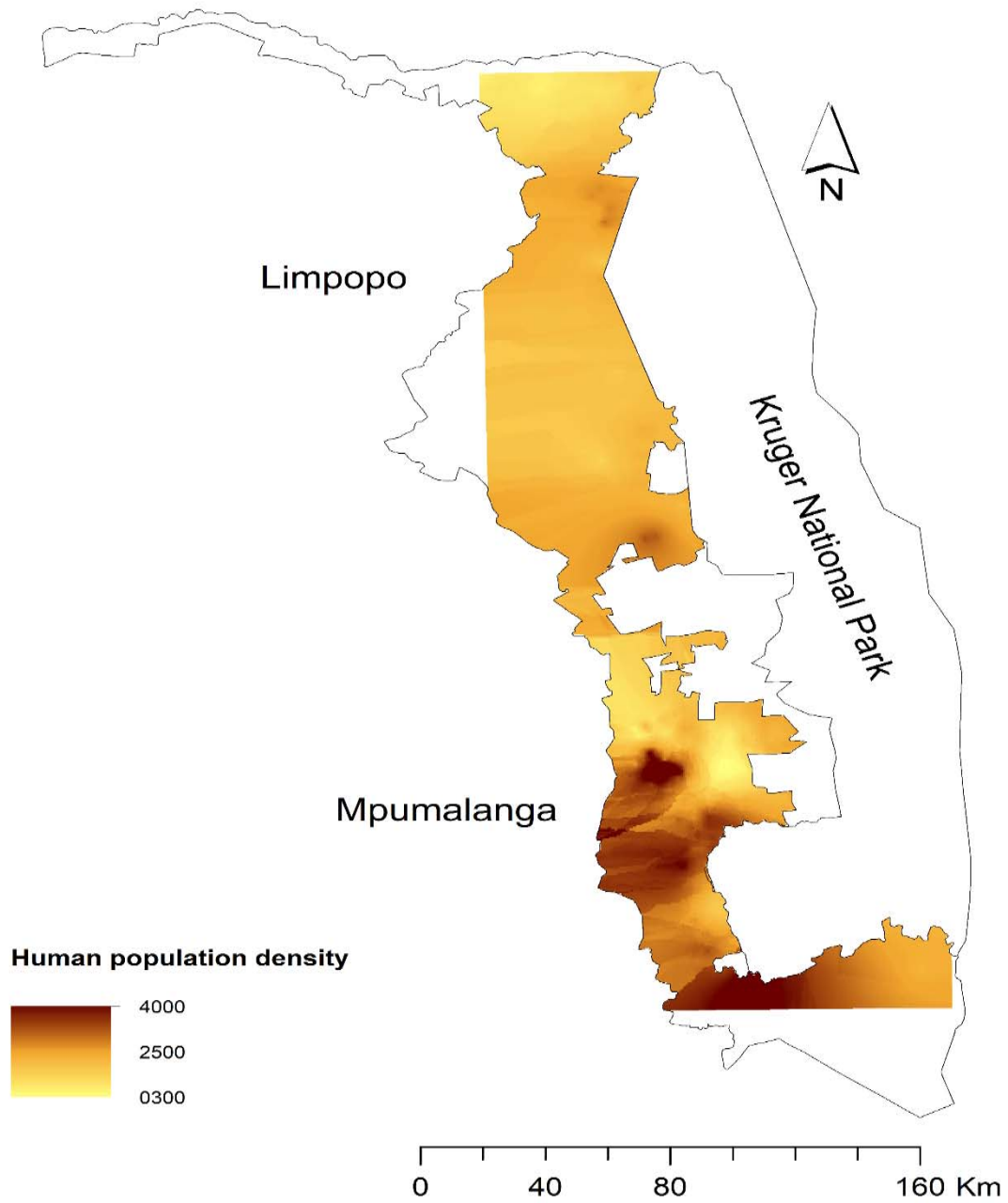
Supplemental Figure 11: Empirical Bayesian kriging (cell size 5) for cattle FMD inspections in the FMD Protection zone with vaccination of South Africa (2007-2016).



Supplemental Figure 12: Empirical Bayesian kriging (cell size 5) for cattle movement into a dip-tank (village) in the FMD Protection zone with vaccination of South Africa (2007-2016).



Supplemental Figure 13: Empirical Bayesian kriging (cell size 5) for cattle movement outside a dip-tank to another (village) in the FMD Protection zone with vaccination of South Africa (2007-2016).



Supplemental Figure 14: Empirical Bayesian kriging (cell size 5) for human population density in the FMD Protection zone with vaccination of South Africa (2011).