Wildlife Biology

Appendix 1

Distribution of cameras and transects across the study areas and years. Camera models: BU: Bushnell (Trophy Cam Trail 119456C), RE: Reconyx (UltraFire), BR: Browning (Strike Force HD Pro). See Fig. 1 for the transect ID and location (i.e., TW, TN, TE and TI); the signs + or – indicate if the transects were on the North or the South part of the hiking path, respectively.

|	Total no. and make of cameras	Total no. transects throughout the whole area	Camera and transect distribution			
			West	East	North	Middle (isolated)
2017	23 (19BU + 4RE)	11	12 cameras in 4 transects:TW1, TW2, TW3, TW4 (alternate (+) and (-))	12 cameras in 4 transects: TE1, TE2, TE3, TE4 (alternate (+) and (-))	9 cameras in 3 transects: TN1, TN2, TN3 (alternate (+) and (-))	
2018	15 (4RE + 11BR)	5	6 cameras in 2 transects: TW2(-) and TW3 (-)	6 cameras in 2 transects: TE1(-) and TE3(-)	3 cameras in 1 transect: TN2(-)	
2019	18 (18BR)	6	6 cameras in 2 transects: TW2(-) and TW4(-)	6 cameras in 2 transects: TE2(-) and TE4(-)	3 cameras in 1 transect: TN2(+)	3 cameras in 1 transect: TI

Appendix 2
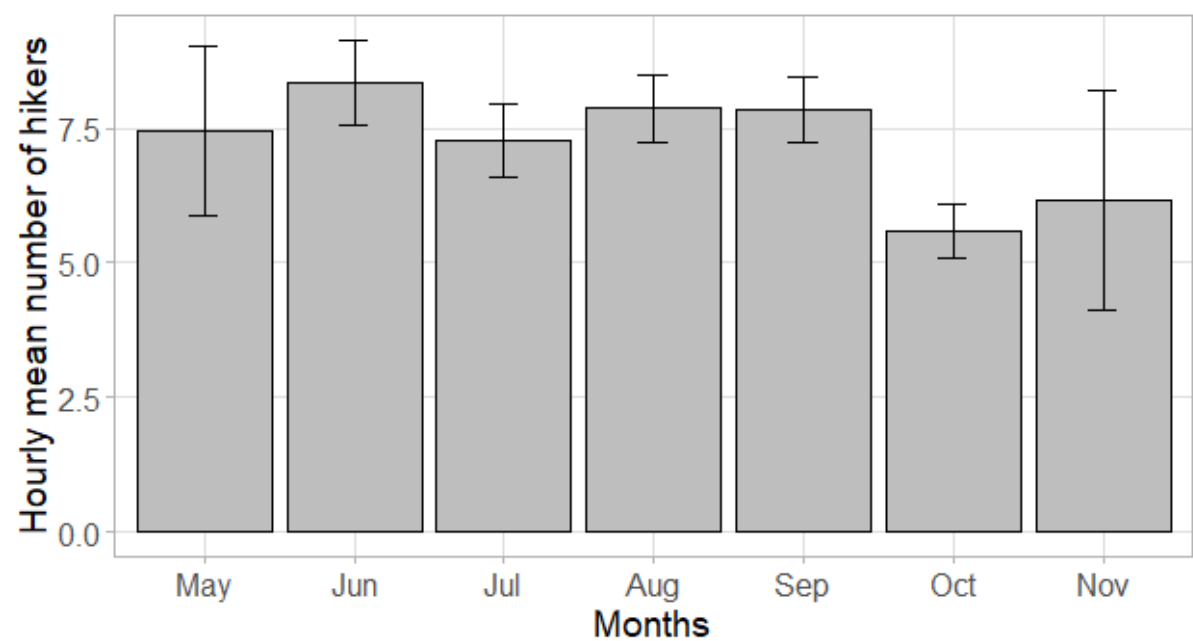
Mean number of hikers per day per months during the period of camera traps deployment. The error bars indicate standard errors

Appendix 3
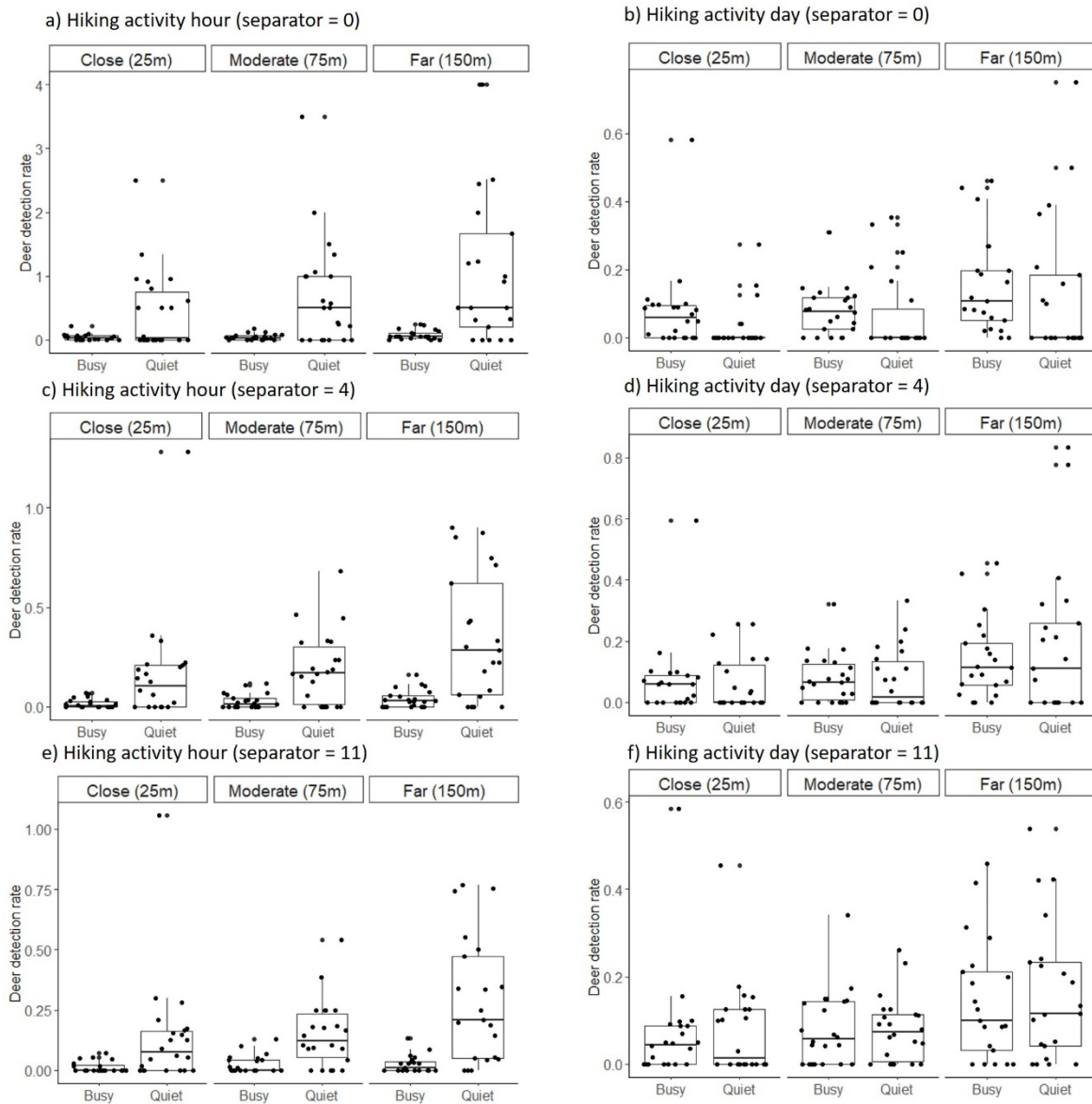
Boxplots showing the different DRs of red deer where each point is a camera trap location. a and b) The 1st quantile of number of hikers (> 0) was used as the separator between quiet and vs busy hour and day. c and d) The median number of hikers (median = 4) was used as the separator between quiet and vs busy hour and day. e and f) The 3^{rt} quantile of number of hikers (<11) was used as the separator between quiet and vs busy hour and day

Appendix 4
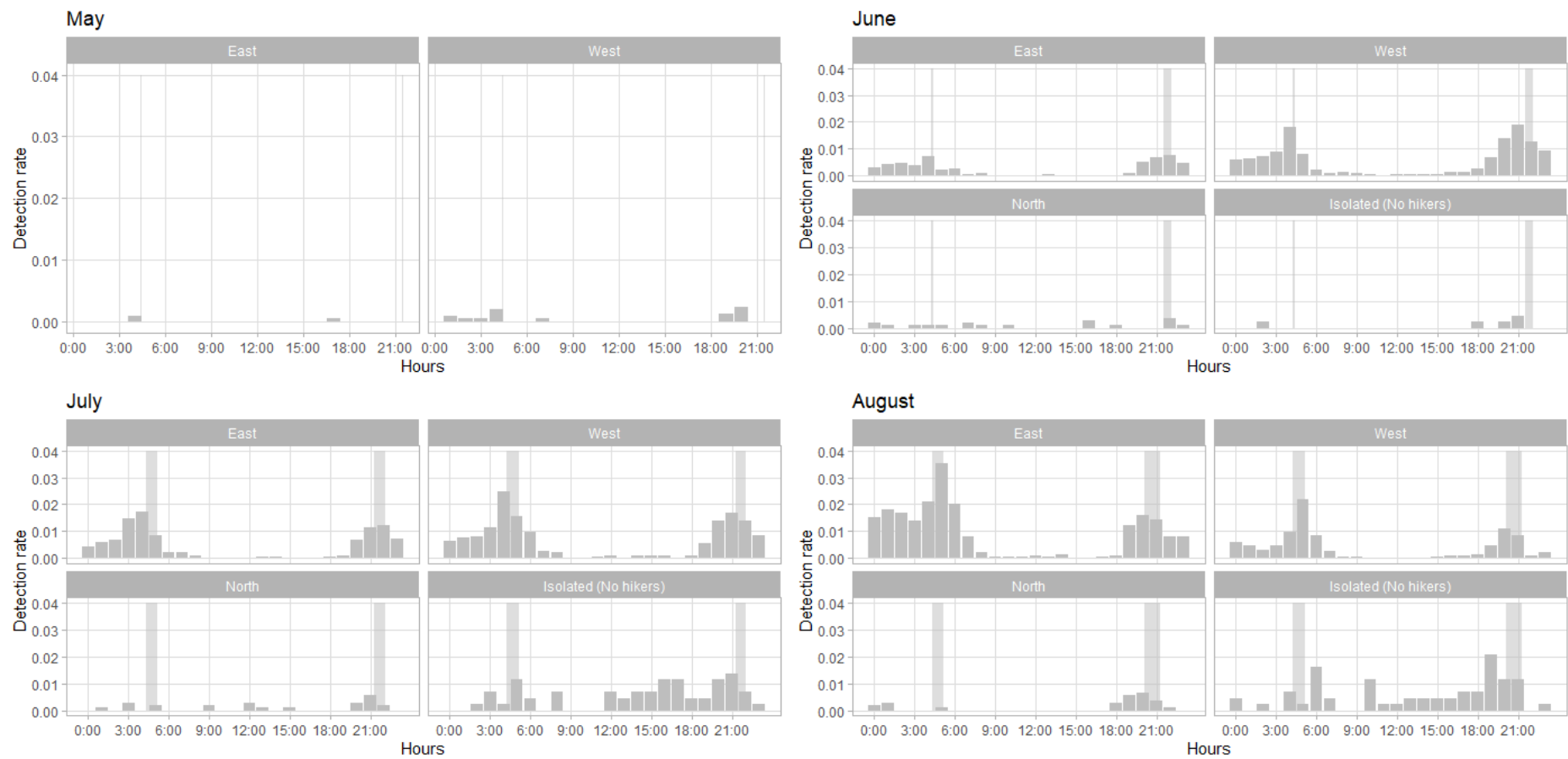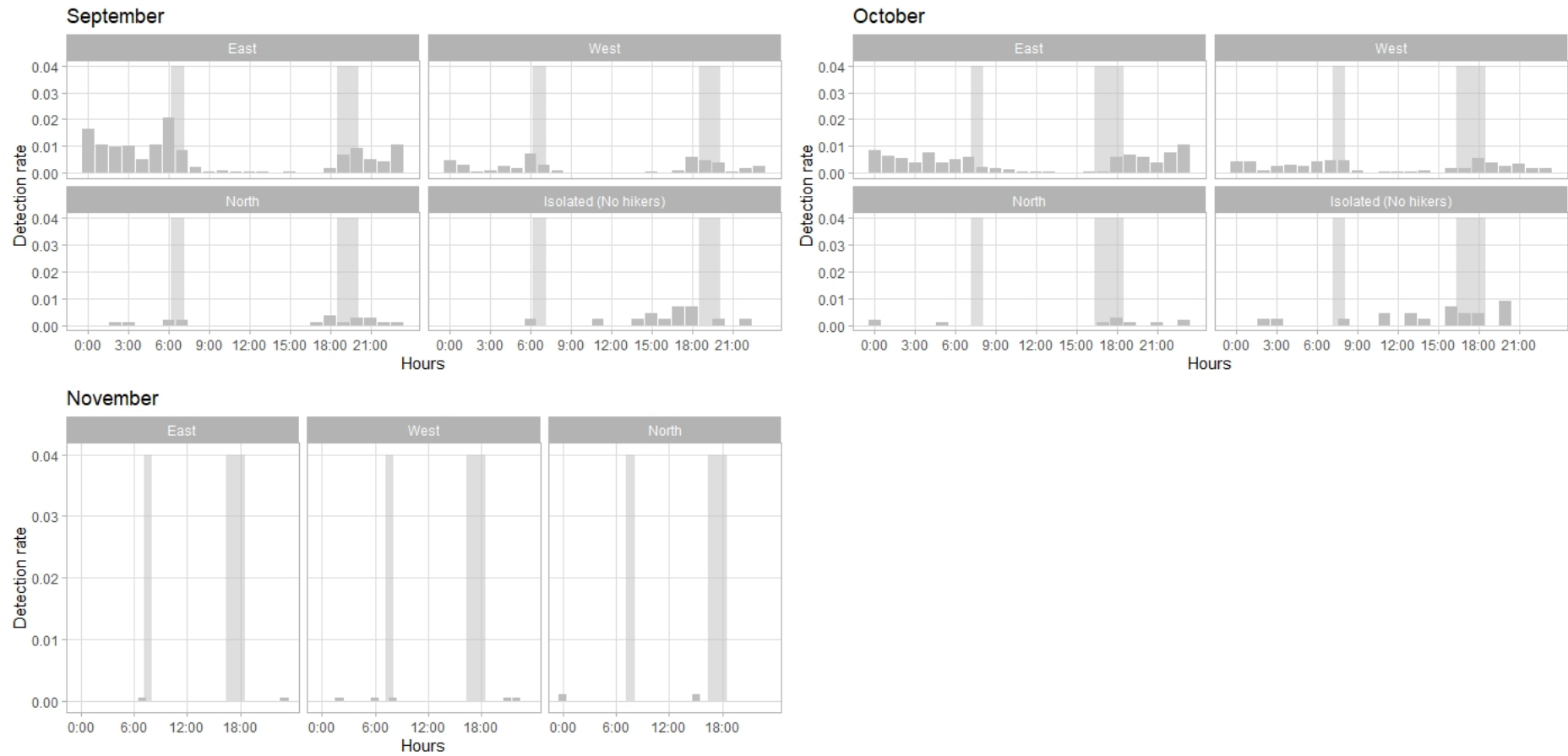
a) Monthly detection rate (DR) of red deer for each hour. Each area is shown separately, and grey shaded periods are the specific dawn and dusk times
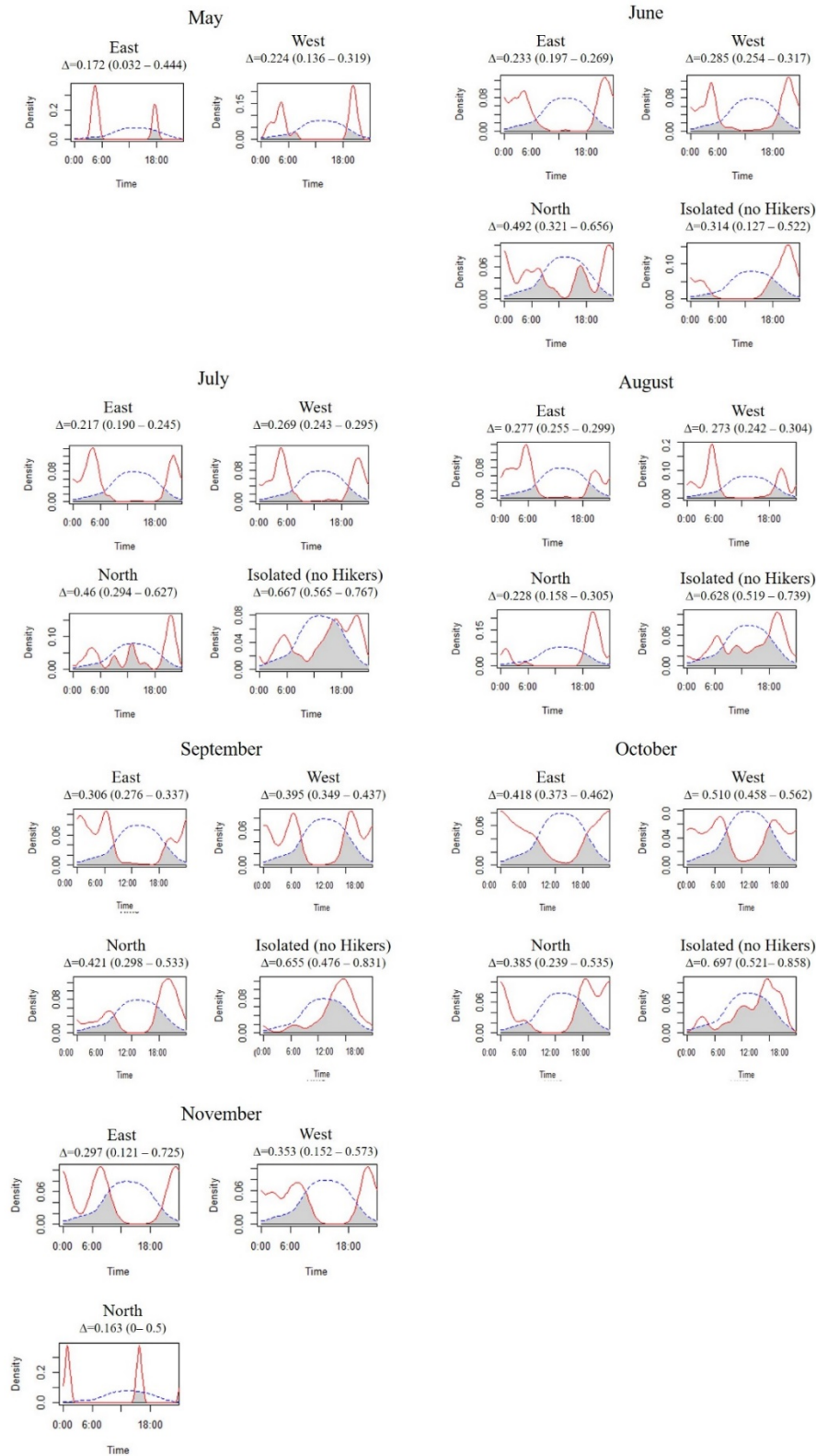
b) Activity patterns of red deer (red lines) and hikers (blue dashed lines) for each transect group (East, West, North and Isolated) each month. The grey shading shows the overlap in activity between red deer and hikers in the study area at time of the day. Activity overlap was estimated from 1000 bootstrap samples of red deer camera trap detection and hikers counter information.