Table S2:

Details of explanatory variables used in generalised additive modelling for red fox and leopard cat.

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| --- | --- | --- | --- | --- |
| Species | Mesocarnivore detections best explained by | Predictor variables | Data acquisition layer | Values range |
| Mesocarnivore in anthropogenic site | Habitat variables | Elevation | Digital elevation model (DEM)  | 1512m to 2946m  |
|  |  | Terrain ruggedness index (TRI) | Digital elevation model (DEM)  | 0.33 to 0.65  |
|  |  | slope | Digital elevation model (DEM)  | 8.68° to 54.42° |
|  |  | Normalized difference vegetation index (NDVI) | Sentinel 2: April to July and October to December | 0.01 to 0.78 |
|  |  | Distance from woodland | River shapefile: Distance from main river bed to each camera trap location  | 4m to 3874m  |
| Mesocarnivore in park site 2 | Habitat variables | Elevation | Digital elevation model (DEM)  | 2055m to 3974m  |
|  |  | Terrain ruggedness index (TRI) | Digital elevation model (DEM)  | 0.32 to 0.73 |
|  |  | slope | Digital elevation model (DEM)  | 1.04° to 45.34° |
|  |  | Normalized difference vegetation index (NDVI) | Sentinel 2: April to July and October to December | -0.03 to 0.78 |
|  |  | Distance from woodland | River shapefile: Distance from main river bed to each camera trap location  | 1m to 3581m  |
| Mesocarnivore in park site 1 | Habitat variables | Elevation | Digital elevation model (DEM)  | 3148m to 4345m  |
|  |  | Terrain ruggedness index (TRI) | Digital elevation model (DEM)  | 0.21 to 0.63 |
|  |  | slope | Digital elevation model (DEM)  | 5.28° to 50.64° |
|  |  | Normalized difference vegetation index (NDVI) | Sentinel 2: April to July and October to December | -0.06 to 0.73 |
|  |  | Distance from woodland | River shapefile: Distance from main river bed to each camera trap location  | 1m to 2746m  |