

Figure S3: Moran’s I-distance plot detailing the mean Moran’s I values for sighting locations within each distance bin. Red points indicate significantly different positive Moran’s I values than those expected for that distance bin. From this plot we were able to determine that the autocorrelation structure dissipates four grid cells away from a given sighting location. However, decimating sampling locations using this distance resulted in up to a 97% decrease in our sample sizes.