

Supplementary Material 1

Animation that illustrates the spatial and temporal patterns of residence and non-residence information for a single estuarine crocodile tagged. The crocodile was tagged with a V16 acoustic transmitter and detected by ten VRW receivers deployed along the length of the Wenlock River in Queensland, Australia. The red circle in the animation display the residence events (periods when the animal is within the detection radius of a receiver and the white lines display the non-residence event. The locations of the residence events and the path of the non-residence event is determined from the receiver distance matrix and behavioural event qualifier function in V-Track.

To view the animation you must have Google Earth 5.0 installed on your computer. Click on the file to open and click the circle on the time-line to run the file. In order to slow or speed up the play-back time-line click on the spanner in the left corner of the time-line window.