Progress Report STP 2019-050 (FY 2020-2021)

The population and spatial ecology of the numbat in the Upper Warren

Animal Science

Project Core Team

Supervising Scientist	Adrian Wayne
Data Custodian	Marika Maxwell

Project status as of May 18, 2022, 5 p.m.

Approved and active

Document endorsements and approvals as of May 18, 2022, 5 p.m.

Project Team	granted
Program Leader	granted
Directorate	required

The population and spatial ecology of the numbat in the Upper Warren

A Wayne

Progress Report

The aim of this project is to increase knowledge about the baseline population and spatial ecology of the numbat population in the Upper Warren region. This information will assist in informing future management practices for this population.

Data from a camera trap survey deployed in two areas in the Upper Warren region were processed and analysis is underway. This survey allows comparison between two camera types (Swift 3C wide angle and Reconyx HC600/PC900). Preliminary results suggest that Swift cameras had higher detection rates than Reconyx cameras, and that numbat density between the two sites is estimated to be 0.018 per ha. GPS collar data was collected for a further nine numbats resulting in a total of 18 GPS data sets from 15 numbats (13 females and 2 males). Preliminary analysis suggests home ranges vary between 11 – 280 ha. Ground level habitat data was also collected from 120 plots to compare high use areas to available habitat. These data will be combined to investigate habitat use and whether this varies by season.