Evidence based management of foxes adjacent to turtle beaches in Western Australia

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Aims This study will seek to address the following questions:

- What are the movement patterns and home ranges of the foxes present at the flatback nesting beaches on the Pilbara Coast?
- Is there individual and seasonal variability in the home ranges of the foxes present at the Flatback turtle nesting beaches on the Pilbara Coast?
- Is there individual and seasonal variability in the habitats used by the foxes present at the Flatback turtle nesting beaches on the Pilbara Coast?
- Is there seasonal variability in fox activity at Flatback turtle nesting beaches on the Pilbara Coast?
- What are the population densities of fox populations around Flatback turtle nesting beaches along the Pilbara Coast?
- What are the diets of the red fox populations adjacent to flatback turtle nesting beaches?
- What sensory cues do foxes use to locate marine turtle nests and hatchlings?

Relevance Mundabullgana Station hosts one of the largest flatback rookeries in this the North West Shelf stock. Previous reports (Pendoley Pers. Comm.) state significance predation of eggs which was quantified by a camera trap study (King 2016). Managing foxes at this rookeries is a priority and long term efficient management will be informed by this study.

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