**Ecosystem structure models**

1. **Fox Eradication {bandicoots, soil inverts; toxoplasma not included in model}**
   1. Validation of model against what’s known to be true
      1. Little Penguins increase
      2. Swamp Wallabies increase
      3. Cape Barren Geese increase
2. **Cat Eradication {with foxes suppressed from the model}**
   1. To assess likely negative responses of lower order invasive species to the removal of the now apex predator. Possible positive response of rats and mice meaning negative implications of seabirds.
3. **Cat prey species eradication: 1) Rabbits; 2) Rats; 3) Rats & Mice {with foxes suppressed form the model}**
   1. Used to test the possible influence of cat prey-switching when dominant prey items are removed / reduced within the ecosystem.
4. **How cat suppression influences the responses of rabbits; rats and mice.** 
   1. Identifying whether negative trophic cascades are restricted to eradication scenarios or whether they can manifest within the system if sustained control is achieved (50% reduction; 80% reduction etc.).
5. **Assess the possible persistence of Eastern barred bandicoots {exclude foxes; everything else included}.** 
   1. Test against varying levels of feral cat density [including eradication] to determine under what scenarios bandicoots survive – i.e. given the above responses to cat suppression; would an establishing bandicoot population be likely to survive under each of the given scenarios.