**Prawn experiment manuscript notes:**

What are the major conclusions?

* Post-release prawn survival is relatively high
* Survival declines with time out of water, 60 minutes seems to be the critical window
* At higher air temperatures, this decline is faster
* The vast majority of prawns that survived displayed strong reflex behaviours, suggesting that our results imply high long-term survival
* There might be a stage effect (small prawns survive better than large prawns) but it was small and difficult to disentangle from experimental conditions
* Our results are probably qualitatively robust to problems with the experimental design
* We have not accounted for the influence of predation, but it we still may be underestimating survival due to handling effects.

Background info required (introduction)

* What is the state of the literature on post-release survival in fisheries?
  + Does most of the literature focus on vertebrate fisheries?
  + Why might we expect things to be different for invertebrate fisheries?
* Based on the literature and our understanding of physiology, what would we predict?
* Why is it important to estimate the post-release survival, generally and specifically?

Applications (discussion)

* What are the implications of these results generally (invertebrate fisheries)?
* What are the implications of these results specifically?
  + Commercial fishery
  + Recreational fishery
* What subsequent studies would you suggest?
  + Incorporating it into population modelling exercises to determine how much it matters
  + Following up to quantify predation effect.
  + Camera study to look at recovery time on the sea bed.

Additional figures to make:

* A diagram of the experimental set-up
* A better version of the lost prawns thought experiment

Supplementary figures/tables:

* Full trial info table

**Things I need to follow up with Jacob on:**

* Revisit correlation between treatment and carapace damage.
* Add details of how he calculated deviance and accuracy