

# Worksheet 6: Stoats and Takahē

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**Time: ONE class period AND ONE homework period.**

Using the Hegg et al paper on Takahē Demography, look at the data taken from the takahē special area in Fiordland.

1. What is the name of the interrelationship between the stoat and takahē?

2. Do a Google search on 'Stoats decimating takahē in Fiordland 2008' on [www.stuff.co.nz](http://www.stuff.co.nz)  
Read and summarise the article either on paper or in a word document or on google docs.  
You can use a dot and jot sheet if you choose. Remember to clearly record the FULL website and DATE for the article. Make sure it is clear who you are quoting in the article.

3. According to the article in 2), what year was stoat control set up in the Murchison Mountains?

4. Not ALL of the area in the Murchison Mountains was set up for trapping.
  - a) Use the map of the Takahē Special Area in the 'Takahē Recovery Plan 2007-2012' Department of Conservation. (see Appendix 2), to work out the exact area where the stoats were trapped.
  - b) Find and highlight the area where stoat trapping did NOT occur – the non-treatment area.
5. Stoat data - collect a copy of the graph taken from 'The demography of takahē' by Danilo Hegg et al. of stoat numbers from 1992 -2008. (see Appendix 17).
  - a) This graph compares takahē numbers in 2 different areas - what are they? How do they compare?

- b) Use the map of the Takahē Special Area in the Takahē Recovery Plan 2007-2012 to match up these areas:

stoats untrapped      stoats trapped      stoat control area      non treatment area

- c) Read the graph from Hegg et al carefully. Bullet point below what you think it is telling you. (Appendix 17)

- d. **Be ready to discuss this in your group next lesson**