

Worksheet 5: Demography of the takahē

Do a Google search: 'Demography of the takahē' by Hegg et al

1. Write the full title of the article and note the URL.
2. Read the **Abstract** and answer the following:
 - a) Where is the last remaining 'natural' population of takahē and how many birds were there in 2011?
 - b) What was the total number of takahē anywhere in 2011 and where else are they found?
 - c) List the 4 management activities used to improve takahē survival and increase numbers.
 - d) List the 4 environmental factors that may affect takahē survival.
 - e) What effect has stoat trapping since 2002 had on takahē survival rate?
 - f) How does the survival rate, even with stoat trapping, compare with that on off-shore predator free islands?
 - g) What does the difference in survival of takahē in the stoat trapping area compared with the offshore islands suggest?
3. Read the **Introduction** to the article
 - a) Collect numbers of takahē in which years and in what places. Rearrange data into a table if possible. How does this data compare with the STUFF article?
<http://www.stuff.co.nz/environment/298858/Stoats-decimating-takahe-in-Fiordland>
 - b) List the major challenges faced by the Fiordland population of takahē.
 - c) What is masting?
4. There was a beech mast in 2005-2006. Read the **Discussion** p81 (Hegg et al). Put in order the events that led to the takahē numbers crashing in 2007-8.