

Operation Penguin Ranger

Phillip Island
**NATURE
PARKS**



**Before you meet your
ranger, let's take a
moment to think about
penguins**

What do you know about penguins?

In this space write down at least 3 things you already know (or think you know!) about penguins.

What do you want to know about penguins?

Think of a question about koalas you want ask a ranger. Either write your question here or record a video or voice clip and put it on this page.

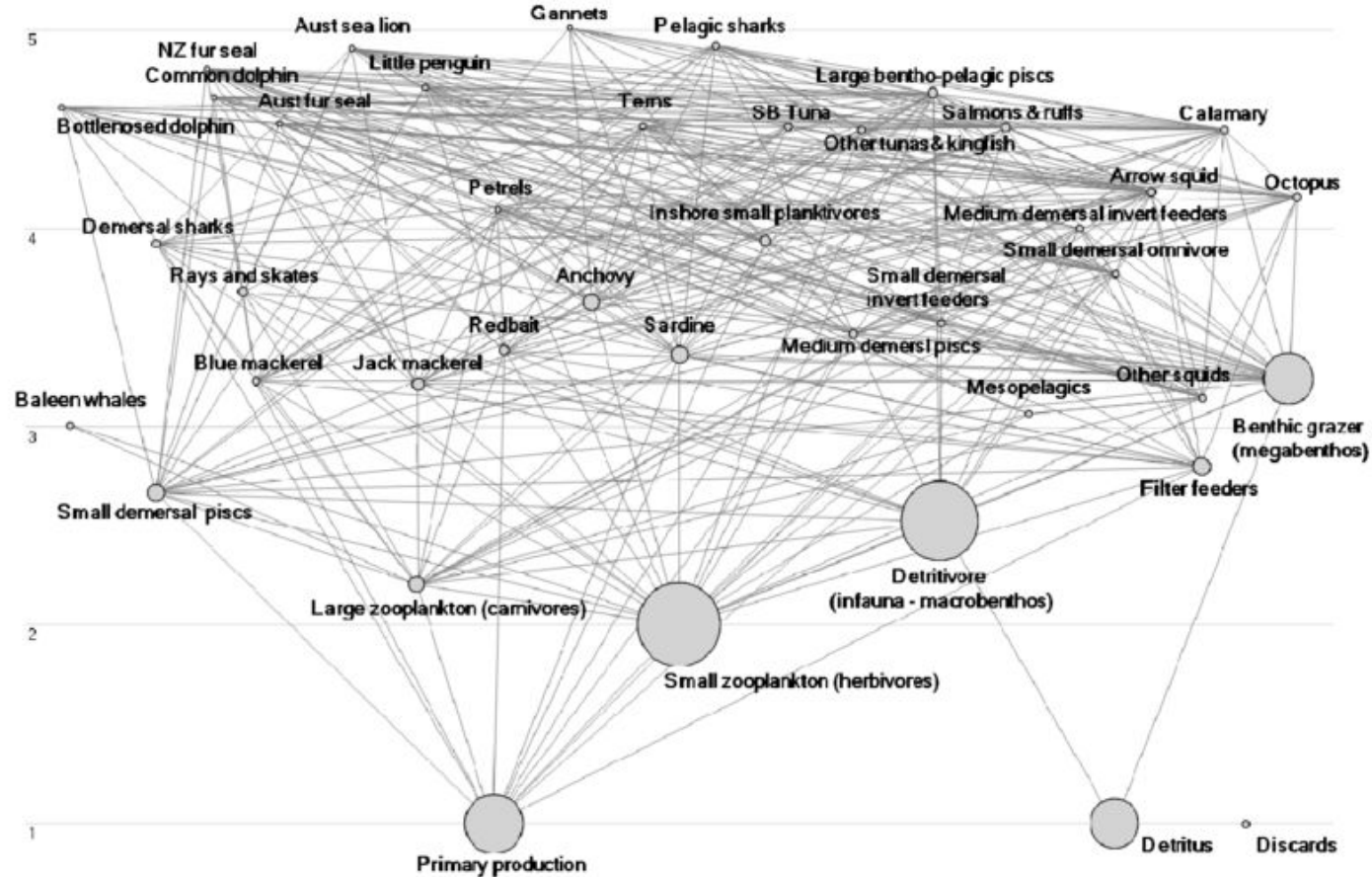
**After you've met your
ranger, let's think
about food webs**

Little Penguin Food Web:

The image to the right is the little penguins' food web as understood by the Nature Parks' research team. From this food web create a food chain on the next page with at least five elements.

Use shapes and connect them with arrows.

Remember: the arrows show the flow of energy in the food chain!



Little Penguin Food Chain:

**Let's extend what you
know about
ecosystem
interactions**

Ecosystem interactions:

Copy the food chain you created and paste it on the next page. Choose one of the types of marine pollutants below and show the impact it has on your food chain. Think about interactions, transfer of pollutants, and changes in population sizes.



Microplastics

Oil spill



Fishing line

Ecosystem interactions: