

Blue Cod in Fiordland – What is the Ratio?

Blue Cod Fun (and important) Fact

- Blue cod change sex from **female to male** when large males are removed from a local population

An Issue Blue Cod Populations Face:

- Blue cod populations can become **male dominant** in areas where lots of large male blue cod are removed

But isn't Fiordland great for fishing??

- The **fiords** are actually super **unproductive** and their fish populations cannot handle lots of fishing

My Project:

- What is the population structure of blue cod in Fiordland?
 - Is the **male to female ratio** different in the **fiords** compared to the **outer coast**?
 - What is the **size structure** of blue cod populations from **fiord water** and the **outercoast**?



Figure 1. Map of the Fiordland Marine Area

The How:

- We will be working **with charter boats** who will:
 - **measure** every blue cod that is caught on their charter trips
 - record the **gender** of every legal fish that is kept
 - assign **GPS coordinates** to every blue cod caught