

THE MARINE PARK

The marine park is internationally renowned for its fantastic scuba diving, with the Fly Point sanctuary providing some of the best shore dives in the world with its sponges and soft coral gardens. The park has a huge array of marine species that include bottlenose dolphins, green turtles, grey nurse sharks, wandering albatross, southern right and humpback whales and over 300 different species of fish. The waters of the park are also where the temperate and tropical species overlap in NSW, which means it's not uncommon to see a tropical loggerhead turtle swimming around with a coldwater Australian fur seal!

RESEARCH AND PROTECTION

To ensure that the marine protected area is working well, it is important to implement research and monitoring to assess the effectiveness of the marine park zoning and protection measures. This is where my job as a marine scientist becomes very useful. The research work in the marine park is very diverse; one day the focus might be on counting threatened grey nurse sharks whilst the next day it might be conducting sea bird surveys from land. This is what makes the job so interesting and challenging, you never know which marine species you will be researching next!

UNDERSTANDING THE FISH

One of the major research projects undertaken in the park involves scuba diving surveys where a team of trained divers swim along tape measure transects over rocky reefs counting all the different species of fish, nudibranchs and other bottom-dwelling invertebrates such as urchins and sea stars. This helps us understand how fish and other marine animals are responding to the protected areas. Other projects

might involve the mapping of reef habitats, monitoring localised movements of various fish species by tagging them (such as seahorses and the threatened black cod) and taking photos of the different marine animals to assist with community awareness and education.





