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| Milestone 1 | |
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# Introduction

With the expansion of human habitant as well as climate changing effect, the population of many species are on the declining trend which ultimately would lead to the collapse of the whole eco-system. While it is impossible to stop the process, we could slow down the process by providing further care for the animal kingdom especially the one at the top of the food chain such as White shark.

A shark jumping out of the water

Description automatically generated with medium confidence

While White shark or Great White is portraited as scary and dangerous predator from many movies, their population is on the brink of declining due unmanaged incidental catch and directed sport or quasi-commercial fishing for trophies. According to Department of Conservation, White sharks are classified as Vulnerable globally by IUCN Red List of Threatened Species and protected under Wildlife Act 1953, Fisheries Act 1996.

At the moment, genetic and satellite tagging are the main method of tracking movement and control the population, but it is lacking in specific individual’s condition as well as location. For more details, it stated in White Sharks article from Department of Conservation that some sharks spend at least 5-7 months north of New Zealand before returning to where they were tagged. Furthermore, it also worth mentioning that no movement between New Zealand tagging locations or between the Chatham Islands and the east coast of the South Island has been documented. A white shark tracking application would be helpful to record the white sharks sighting near those particular locations as well as around New Zealand in order to increase the effort in reserve their population.

# Screen Design

Graphical user interface, text, application

Description automatically generated

# Reference

“White Sharks.” Accessed August 10, 2021, Department of conservation. <https://www.doc.govt.nz/nature/native-animals/marine-fish-and-reptiles/sharks-mango/white-shark/>.