Title

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# Executive Summary

**Author1, I.I.[[1]](#footnote-1); Author2, J.J.; Author3, K.K. (20xx). Title.**

***New Zealand Fisheries Assessment Report 20xx/xx.* xx p.**

An Executive Summary, normally no more than one page, should accompany all reports. It should be informative, not just indicative, intelligible when divorced from the paper, and devoid of undefined abbreviations, equations, and reference citations. It is particularly important to give the main result(s), and to name any new techniques, new concepts, new taxonomic entities, and new conclusions. If there is a direct application, it should be mentioned.

# INTRODUCTION

The Introduction should set the scene fully and clearly. Indicate the reasons why the study was carried out. Any previous work relating to your study should be summarised in a few relevant references. The overall objectives and specific objectives of the commissioned project, and any agreed modifications thereof, must be presented. The wording should reflect that of the contract.

# METHODS

This section (and subsections) should provide the geographical and physical setting of the research, describe survey design, sampling methods, and so on, depending on the nature of the project. It is important that any statistical techniques and analytical methods be fully explained (if new) or referenced.

# RESULTS

## Results 1

Here you present your own information and figures without reference to or discussion of other work. Observations, modelling results, and statistical analysis should be clearly presented.

Tabular material and figures are especially important for providing comparative results without resorting to detailed textual descriptions. The tables and figures with their captions should be understandable on their own, and not rely on the supporting text.

## Results 2

Some results are shown in Table 5 below. This is from the 2010–11 fishing year. See Ayling & Cox (1982), Constable et al. (1989). [Note that figure captions follow the same formatting as the table caption in the example below (with an indent of 1.75 cm).]

**Table 5: Mean catch rates (kg km-1) of pre-recruit (< 32 cm), recruit (> 32 cm), and all orange roughy by area and depth range for 2010‒11.**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Depth |  |  |  | | | | | | Area code\* | | |
| range (m) |  | Size | KAIK | CLAR | MADD | PORT | RICH | TOLA | | EAST | Total |
|  |  |  |  |  |  |  |  |  | |  |  |
| 600–800 |  | Pre-recruit | 14.5 | 36.3 | 5.3 | 4.4 | 0.1 | 0.1 | | 0.6 | 7.1 |
|  |  | Recruit | 0.6 | 7.8 | 0.7 | 3.2 | 12.7 | 0.6 | | 0.0 | 3.4 |
|  |  | All fish | 15.1 | 44.1 | 5.0 | 7.6 | 12.8 | 0.7 | | 0.6 | 10.5 |
|  |  |  |  |  |  |  |  |  | |  |  |
| 800–1000 |  | Pre-recruit | 1 177.3 | 20.3 | 15.9 | 4.8 | 3.5 | 0.3 | | 2.84 | 2.3 |
|  |  | Recruit | 35.3 | 0.5 | 18.4 | 1.3 | 12.8 | 1.8 | | 1.5 | 11.3 |
|  |  | All fish | 1 212.6 | 20.8 | 34.3 | 6.1 | 16.3 | 2.1 | | 4.3 | 54.6 |

\* See Figure 1 for spatial representation of the areas.

## Results 3

Results 3 text.

# DISCUSSION

The results of your study are related in this section to those of previous studies. The results should be interpreted with the support of evidence or suitable references. Anomalous or unexpected results should be explained. Any conclusions offered should be listed clearly at the end of the Discussion.

# Potential research

This is an optional section to list, at a conceptual level, potential research of relevance to the subject of this report. It may contain relative judgements about the priority of research recommendations; i.e., this research is deemed higher priority than that or should ideally occur before that (because the latter will be informed by the former). This section should not contain absolute judgements about priority, i.e., essential or high priority.

# FULFILLMENT OF BROADER OUTCOMES

Where a contract has included “Assessment of broader objectives” (for 2022 projects onward), this section should detail what you have delivered in terms of these broader objectives through this project.

# ACKNOWLEDGEMENTS

Here you can list supporting institutions and the names (untitled) and the affiliations of people who have assisted in some way with your research or manuscript development. You must acknowledge Fisheries New Zealand funding and provide the project code; e.g., this work was completed under Objective XX of Fisheries New Zealand project XXX20xx-xx.

# REFERENCES

This section should contain only references cited in the FAR and is not intended to be a bibliography. Authors are solely responsible for the accuracy of the references. Citations are to follow the Harvard System, i.e., in the text they are to be by author's name and year of publication, and at the end of the paper in alphabetical order of authors' surnames. Works by the same author and published in the same year are to be distinguished by letters appended to the year. Use references as formatted below:

Ayling, T.; Cox, G. (1982). *Collins guide to the sea fishes of New Zealand*. Collins, Auckland. 343 p.

Constable, J.D.; Scott, P.H.; Connor, M.A. (1989). Fixed bed nitrification as a potential means of enhancing nitrogen removal rates in a sewage lagoon. *In*: Australian Water and Wastewater Association, Proceedings of the 13th Federal Convention, pp. 192–196. 6–10 March 1989, Canberra.

Cooke, J.G. (1994). Nutrient transformations in a natural wetland receiving sewage effluent and the implications for waste treatment. *Water Science and Technology 29 (4)*: 209–217.

Pearson, T.H.; Black, K.D. (2001). The environmental impact of marine fish cage culture. *In*: Black, K.D. (Ed.). *Environmental impacts of aquaculture*, pp. 1–31. Academic Press, Sheffield.

**APPENDIX 1**

# APPENDIX 2

# APPENDIX 3

1. Add affiliation for each author at the time the work was undertaken. [↑](#footnote-ref-1)