

CONTENTS

A pollution tolerance survey of benthic diatoms in New Zealand's waterways

Abstracts	2
Introduction	3
Diatom identifications	4
Materials and methods	5
Results	5
Conclusions	8
Acknowledgements	9
Literature cited	10
Tables	12
Text figures and plates	22
Appendix	26

A taxonomic guide to diatoms of thermal habitats in New Zealand. Part 1. Centrales (Diatomophyceae/ Bacillariophyceae).

Abstract	51
Historical background	52
Materials and methods	54
Results	55
Discussion and conclusions	57
Classification	60
Taxonomy	60
Plates	80
References	86

A taxonomic guide to diatoms of thermal habitats in New Zealand. Part 2. Pennales (Diatomophyceae/ Bacillariophyceae)

Abstracts	94
Introduction	95
Materials and methods	96
Acknowledgements	97
Classification	101
Taxonomy	101
Plates	229
References	258