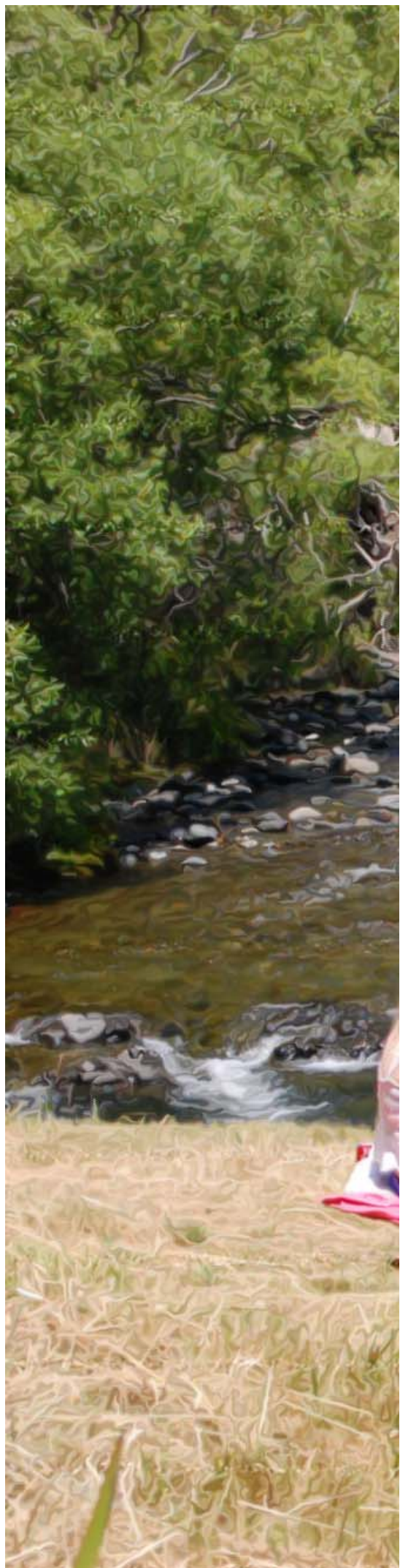


Nelson City Council Roding and Maitai Rivers User Survey 2015



Nelson City Council

Roding and Maitai Rivers

User Survey 2015

Prepared for the Nelson City Council

by Rob Greenaway & Associates

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Nelson City Council

Roding and Maitai Rivers User Survey 2015

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1 Summary

Key points from the results:

- Flow levels in the rivers were of less interest to respondents than algae and water quality.
- Algae and toxic algae were key concerns, although there appears to be some confusion about what algae is.
- Water quality was also a strong area of interest, but what constitutes poor water quality was poorly described, with it including water clarity, algae and 'pollution'.
- Residents were more likely to consider the rivers to have changed for the worse in comparison with other river users, but river users were more likely to consider the rivers to be better or the same as when they first visited, rather than worse.
- Flood protection was a lower priority on the Maitai River than most other management issues.
- The rivers were highly valued for recreation and natural and scenic values, and respondents were able to name many more positive aspects than negative ones.

This is a report on the results and method of two surveys of recreational use and other values of the Roding and Maitai Rivers. The Roding River is based largely in the Tasman District but with its headwaters in Nelson City, and includes adjacent reserve land administered by the Department of Conservation and Tasman District Council. The Maitai River is within Nelson City with adjacent reserve land administered by the Nelson City Council (NCC).

A river intercept survey was carried out between the 1st of January 2015 and the 1st of March 2015 with 131 hours of effort expended on the Maitai River with 419 completed questionnaires; and 100 hours on the Roding with 403 completed questionnaires. Survey days were picked to coincide as much as possible with high use periods – weekends and statutory holidays and weekdays during the summer school holidays.

A self-completion residential questionnaires was hand-delivered to 229 letter boxes on streets which bordered the Maitai River, addressed to 'The Resident', with 102 returned via prepaid envelopes (45%); and 45 were hand-delivered to letter boxes in the Roding Valley, with 27 returned (60%). Both return rates are quite high, with 30% standard for surveys of this type.

The intercept survey had six main focus areas:

1. **Demographics.** Those aged under 15 were not interviewed and were treated as non-responses.¹ The Roding River tended to have a younger age-profile than the Maitai (20% aged between 15 and 24 years, compared with 7% for the Maitai for example), while the Maitai was more comparable with the regional profile. The gender splits were near even. Ethnicity was not identified. On the Maitai River, 29% of respondents were visiting alone, compared with only 3% on the Roding River. The remainder were visiting in groups. The mean group size was 3.0 for the Maitai and 5.4 for the Roding. The Roding tended to have much larger groups than the Maitai, with, for example, four groups of 30 at Busch Reserve, and 30 groups of between 11 and 20 people at the Busch, White Gates, Twin Bridges Reserves and the Hacket Track carpark, compared with one group of 15 and one of 20 around Branford Park on the Maitai (for group sizes over 10). Nelson City residents made up 62% of all respondents, and Tasman residents 20% for both rivers. Maitai River respondents were mostly from Nelson, whereas the Roding River had both Tasman and Nelson residents (36% and 48% respectively). Ten percent of respondents on the Maitai were of international origin, compared with 3% on the Roding.

¹ Standard survey etiquette requires permission from a guardian or parent for potential respondents aged under 15.

2. **Activity.** Swimming was a key activity on the Roding River (80% of main activities), while the Maitai has a stronger focus on walking and dog walking (42 and 10% respectively), although swimmers are also well-represented (28%). All other main activities have small sub-samples ($n < 23$). Activities were logically dispersed along the Maitai River, with walking dominating the River below Nile Street, and swimming very popular above. There were low levels of visitor activity in the River above Smiths Ford and little survey effort was expended in these reaches. Activity on the Roding River was strongly focused on the four reserves: Busch, Twin Bridges, White Gates and the Hacket Track carpark, with swimming the dominant activity at all. There was little activity between these sites with only 11 questionnaires completed between the Hacket and White Gates. As for the Maitai, there was little activity in the upper catchment and less survey effort was expended there. The Maitai River tends to sustain visits over winter, and has a higher level of daily use by respondents in comparison with the Roding River.
3. **Change over time.** Respondents were asked if, in their opinion, that the river was better, worse or the same as the first time they had visited it. They were also asked how many years they had been visiting the river. Overall, 35% of respondents with enough experience over time felt the Maitai River was better, 26% felt it was worse and 33% thought it had not changed. Those with a longer period of experience tended to think the River had changed for the worse (50% for those with more than 40 years of experience), with those with between 6 and 20 years of experience more likely to think it was better. For the Roding River 19% of valid respondents felt the Roding River was better, 25% felt it was worse and 56% thought it had not changed. Those with the longest period of experience tended to think the River had changed for the better (45% for those with more than 40 years of experience, although the number of respondents in this group is small: $n=11$). Improved tracks and paths and other amenities were frequently cited for the Maitai River as reasons for improvement. Amenities and deeper and cleaner water were top improvements for the Roding River. Issues with algae and low flows were frequently cited as reasons for negative change for both rivers.
4. **Best and worst aspects.** Respondents were asked to name their best and worst aspects of both rivers via an unprompted open question. Swimming, swimming holes and deep holes were a particular feature of the Roding River, while on the Maitai River its calm or peaceful nature and its proximity to town appealed, amongst many other features on both settings. Insects were a key issue on the Roding River. Both rivers had issues with algae and slime, but reference to cyanobacteria and / or toxic algae was only made in relation to the Maitai River. Just over 2.5 times as many 'best aspects' were named for the Maitai River in comparison with 'worst aspects' (959 best compared with 379 worst); and 2.1 times as many 'best aspects' for the Roding River (986 best compared with 452 worst).
5. **Flows.** Respondents were asked if their water-based activities were ever not possible due to low flows. The Roding had a higher 'never' level of response (88%) than the Maitai (61%), and higher level of activity reliability generally. Water-based activities undertaken by the 17 respondents (6%) who stated that low flows in the Maitai River 'frequently' (more than half the time) made their activities impossible included: swimming (15), kayaking (2), rafting (2) and fishing (1). Only 5% of respondents on the Roding River checked flows before they visited compared with 11% on the Maitai, although many did so by looking at it from home. Respondents were asked their opinion about the river flow at the time they were interviewed, and their preferences compared with the flows recorded at the time. On the Maitai River, 55 respondents did not know at preference (13%). Fewer on the Roding had no opinion – 12 respondents (3%). For the Maitai, the most common flows for the survey period were between 0.4 and 0.5 m^3/s and so most responses relate to these lower flows. There was a general preference for the flow encountered at the time of the interview, although at all flows there were many respondents preferring a 'little higher' flow. Only one respondent sought a lower flow (at 0.7 m^3/s). Swimmers on the Maitai had a stronger preference for the flow they

encountered than other users. The Roding River showed a similar trend with the general preference for the flow encountered at the time, but also a common preference for flows a 'little higher' at most flows. The majority of respondents on the Roding River were swimmers and these showed a similar trend, although these respondents were more likely to prefer flows a 'little higher' at 0.1 and 0.2 m³/s. Reasons for preferences included the flows – either that encountered or a higher flow – to be, for example, better for swimming and jumping, looking better, the water being cleaner and there being less algae. There was little consistency as to which flow provided these values.

6. **Improvements.** A closed question was provided with the options of ordering three top priorities from the following list:

- More recreation facilities
- Making the river more fish-friendly
- More native riparian or riverside planting
- Improving water quality
- Managing toxic algae
- Managing slippery algae
- Managing sediment inflows to the river
- Improved flood protection works

The latter option was not included in the questionnaire for the Roding River. Toxic algae and water quality were the top issues for the Maitai River. Toxic algae and slippery algae were the top two issues for the Roding – although there has been no toxic algae recorded in the Roding.

The river residents' survey had a similar focus, but was a shorter questionnaire to help ensure a good response rate.

1. **Demographics.** There were no respondents aged under 25. The Roding River tended to have a younger age-profile than the Maitai, with the 50-64 age group well-represented in both. The gender split was near equal. The mean number of years respondents had been living by both rivers was 19. However, the distribution is quite different with 17 Maitai respondents having lived by the River for more than 40 years and the maximum duration for the Roding at 39 years. Thirty-five percent of Maitai respondents had lived by the River for less than 10 years compared with 22% of Roding respondents.
2. **Activity.** Roding residents were more likely to swim (52%) and Maitai residents more likely to walk (54%) as a main activity on or around the rivers, although a wide range of activities was reported. The full length of both rivers was used, with use declining the further upstream. The Maitai River tends to sustain visits over winter and has a higher level of daily use by respondents, compared with the Roding River.
3. **Change over time.** Overall, 14% of all resident respondents felt the Maitai River was better, 68% felt it was worse and 19% thought it had not changed. Those with a shorter period of experience were more likely to think the River had not changed or was better compared with those with longer experience, with those with the longest experience considering it was worse. For the Roding River, overall, 4% of all respondents felt the Roding River was better, 78% felt it was worse and 19% thought it had not changed. The majority considered the River was worse than when they first lived nearby. Improved paths and cycleways, and planting and landscaping, were most frequently cited for the Maitai River. There were only two positive comments for the Roding River (planting and landscaping, and the control of anti-social behaviour). Algae and low water levels were cited most frequently for both rivers as changes for the worse.

4. **Best and worst aspects.** The accessibility of the Maitai River and its scenic qualities were its top 'best aspects'. For the Roding River, the clean or clear water and swimming opportunities were particular features. Just over 1.6 times as many 'best aspects' were named for the Maitai River in comparison with 'worst aspects' (324 best compared with 203 worst); and 1.3 times as many 'best aspects' for the Roding River (89 best compared with 69 worst).
5. **Improvements.** The same set of closed questions for improvements was provided to residents as for the intercept survey. Water quality and toxic algae were the top issues for both rivers.

1.1 Discussion

The recurrent themes from the data for maintaining or improving recreation values in both rivers, relate firstly to periphyton – algae or slime being unsightly and / or slippery, and potentially toxic – and then water quality generally. The data suggest that there is some confusion about what periphyton is, with the terms didymo, algae, slime, brown crud, toxic algae and cyanobacteria (and others) being used apparently interchangeably in responses to the open-ended questions. 'Higher flows' were occasionally suggested as solutions to 'cleaning out' periphyton, but there was virtually no reference to flushing flows.

Opinions about flow levels *per se* are less clear. In both rivers, the intercept survey indicated that respondents were often as happy with the flow they encountered on the day, as preferring that it was a little higher, with some preferences stated for flows to be 'a lot higher' when they were the lowest encountered. The survey staff member working on the Roding River reported that at lowest flows there was little or no jumping from the Hacket Track bridge; but the survey results indicate there was still satisfaction with those low flows: being suitable and safe for young children, and warm. Swimmers on the Maitai River were more likely to prefer the low flows than to want them higher.

Flooding and flood protection works were rarely prioritised over managing for other river values.

Respondents to the intercept survey were far more likely to consider the rivers to have improved over time, while most residents considered both rivers to be worse. However, with open-ended questions (non-led) intercept respondents appeared to focus more strongly on the quality of recreation facilities, such as paths and picnic tables, as well as insects, litter and dog poo, while residents focused more on water quality and algae.

While the resident survey indicated more interest in ameliorating low flows first (with some commenting that this would help address algae issues), the intercept survey showed more interest in dealing with algae first. Sediment was a recurring issue for residents on the Roding River, with many references to forestry as a cause. Both response groups generally prioritised water quality and other in-river and riparian treatments for the benefit of natural values above facility development for recreation. The exception was intercept survey respondents on the Roding River who placed facility development as a higher priority than planting, sediment control and making the River more fish-friendly (noting that water quality seemed less of an issue for this respondent group).

Recreation on the Roding River is strongly associated with swimming in the River, but the large reserves provided by the Tasman District Council gained very high levels of approval for their scale, maintenance and ability to provide for a variety of family and group activities, as well as the scope to find a quiet corner. There were, however, many comments about additional facility provision, such as more BBQs, easier access to the river's edge and other picnic facilities – although it is very difficult to isolate priorities, especially considering a generally high level of satisfaction with existing services.

The Maitai River has a more mixed activity profile, but swimming remains an important use above Nile Street. Water quality and algae issues were identified by all user groups, suggesting that both issues affect contact recreation as well as general concerns about maintaining natural in-river values. However, there appeared to be a high level of satisfaction with the developments for recreation which have occurred around the Maitai River to date. Interestingly, during the survey design and

implementation process there were many comments heard about historic gravel extraction from swimming holes on the Maitai River and their consequent suitability for jumping and swimming, but only limited comment about this opportunity appeared in the survey results.

Importantly, it must be remembered that all respondents were more able to name good things about the rivers than bad things. While there is clearly concern over the issues discussed, the rivers are highly valued for many reasons in their current conditions, and are greatly enjoyed for recreation.

In sum, respondents appear to be most interested in managing the rivers to reduce nuisance and toxic periphyton growths and to improve water quality. Flow levels, in themselves, appear to be less of an issue for recreation. There are education opportunities about what periphyton is and how it may naturally occur (several respondents noted that if the rivers are behaving 'naturally', then whatever happens is acceptable), and what is toxic algae and didymo. There is also a range of preferences for recreation facility development (including maintaining low levels of development in some areas) which can inform planning processes. Preferred priorities for works are clearly to improve in-river and natural values.

2 Introduction

The Nelson City Council provided the following scope for the project:

The primary driver for this assessment is the water abstraction resource consent which is due to expire in early 2017. As part of the application process for the new resource consent, it is essential we understand all impacts the water abstraction activity has on the river. The application will not be seeking any increase in abstraction rates.

The recreational assessment is to establish a baseline of recreational values which covers all aspects of the river, and a range of NCC activities which may impact upon recreational users enjoyment of the river, not just those associated with the water abstraction activity.

The key objectives were to review the recreational values of the Roding and Maitai Rivers with the following considerations:

- What are the recreational uses of the river, and what do recreational users value about the river and its environs? Users to include: in-river activities, river environment activities, properties immediately fronting the river, any businesses dependent on the river activities.
- Determine how river characteristics such as flow rates, water quality, water temperature and ecological quality ('natural-ness') affect the recreational uses and user enjoyment associated with the river. This is to cover the impact of both low flows and high flows within the river.
- How do river users rate the impact of current Council activities on their enjoyment of the river? Current Council activities include: water abstraction, structures within the river (eg fords and bridges), structures alongside the river (eg walkway and signage), flood protection work, gravel extraction, landscaping and mowing, riparian planting, forestry, Waahi Taakaro golf course, Maitai Campground, and stormwater discharges.
- What future changes to river characteristics (including flow rates, water quality, water temperature and ecological quality) would impact (positively or negatively) on types of recreational use, or the enjoyment of users?
- Discuss any predicted change in recreational experiences and activities over time, based on currently available information.
- Identify recommendations for practical options for enhancement of recreational use and enjoyment.

The ability to answer some of these questions is limited and are based on the data gained through this method. The discussion in Section 1.1 addresses the top priorities and issues. Many options for works to improve recreation experiences are shown with the results, but beyond the main issues of algae and water quality, the data provide only a starting point for further investigation of preferred facility developments for recreation, and the recognition that there is a high level of satisfaction, in the main, with existing levels of service for facilities.

2.1 Method

The survey had two components: an intercept survey of users on each of the Maitai and Roding Rivers with a target response rate of 400 at each (800 responses in total); and a self-completion mail-back questionnaire for residents living adjacent to each river.

The questionnaires were designed by Rob Greenaway of RG&A, in consultation with the client (NCC, whose key representative was Becky Marsay, with the support of Jo Martin, Sharon Flood and Phil Ruffell), the Department of Conservation (Lionel Solly) and Tasman District Council (Trevor James and Beryl Wilkes). The survey method was designed and recorded so that NCC will be able to replicate it in future summers if required.

Respondents for the intercept component were randomly selected, although at many sites and at many times, all visitors could be questioned.

Three surveyors were employed to implement the intercept survey. Their activity schedule appears in Appendix 2, showing date and time inputs by individual surveyor by colour.

The aim of the survey method was to gain the maximum number of respondents, rather than to collect a truly representative sample of river users. Therefore survey days were timed to coincide, as much as possible, with statutory holidays and weekends, and sunny weather, although some week days were chosen during the school holiday period. Very little time was expended in the upper reaches of both rivers as these were used relatively infrequently and it would have been very time-consuming to attempt to gain an adequate level of response from these sites and to generate reliable site-specific results.

For the residential survey, self-completion questionnaires were hand-delivered to 229 letter boxes on streets which bordered the Maitai River, addressed to 'The Resident', with 102 returned via prepaid envelopes (45%); and 45 were hand-delivered to letter boxes in the Roding Valley, with 27 returned (60%). Both return rates are quite high, with 30% standard for surveys of this type.

Questionnaires and letters to residents are included in Appendix 3.

Results for the intercept survey are presented in this report in tables and figures with blue headers, and with green headers for the residents survey. Black headers are used for generic data.

2.2 Survey sites

Figure 1 and Figure 2 show how the rivers were subdivided for surveying purposes. Appendix 2 shows the schedule applied by the surveyors to each of these river sections: 12 on the Maitai and 7 on the Roding. For the Roding River, most effort was expended at the four reserves: Busch, Twin Bridges, White Gates and the Hacket Track carpark, with a few respondents found on the roadside between them. On the Maitai, surveyors moved on foot or by bike through each numbered section according to the schedule.

2.3 Error and bias

An error in a survey is defined as a difference between the data gained through research (usually in average values) and the true characteristics of the study's target population. Bias is one cause of error, and can be caused by strategic responses from respondents, poor or inconsistent interviewing techniques, and leading or unclear questionnaire design. An example of bias in this survey is its focus on high-use periods (there is a bias against visitors who prefer using sites when no one else is around). There is no way of compensating for or measuring this type of bias with the results gained, as the scale of its effect is unknown.

Some other forms of error, such as sampling error, can be quantified, but only if the sampling technique relies on the random selection of respondents.

With those errors in mind, surveys of this type can be considered in two ways. At one level they are merely the collection and presentation of a large number of opinions and the provision of descriptive data. At another level, they are a quantitative representation of the likely use patterns and recreation values of a resource. This survey is largely the former due to the targeted survey method – that is, survey days were not randomly selected and therefore do not show truly representative use patterns. Consequently, the level of statistical error in the results is not known (because the selection method was not truly random).

However, as the same selection method was used for both rivers, the data effectively show the relative use levels and values between them. Also, response levels (shown as *n* in data tables and

figures²), were high at 400 per river. If 400 respondents were randomly selected from any sized population, the margin of error would be $\pm 5\%$ where there was a 50 / 50 split in response to an either / or question (greater agreement or disagreement to a question means lower error).

The author of this report agrees with Ziliak & McCloskey³ in relation to the danger and irrelevance of applying tests of statistical significance to survey samples which are clearly non-random, and as result, none is used in this report.

Some missing data are evident in several data tables (where *n* is less than the total number of responses). These gaps result largely from several questionnaires being only partly completed during the interview, with the respondent running out of time or interest. Where enough of the questionnaire was completed, the available data were coded. Rounding results in a few data sets not adding to 100%.

2.4 Refusals – intercept survey

Table 1 shows the reasons by site for a questionnaire not being completed when a potential respondent was available. A total of 139 non-responses or refusals was recorded, 12% of which were respondents who had already been questioned. Walkers made up 64% of refusals, 7% were swimmers, and one was fishing.

Table 1: Non responses – reasons by river section or site	M1	M2	M3	M4	M5	Busch	Hacket	White
No thanks	7	19	6	11		4	1	3
Tourist / visitor	7	18	4	3				
No time / in hurry	6	13	1	6	1			2
Already surveyed		8	1	7				
Under 15 years	1		2	4		1		
Will do later		1		1				
Stopped during interview				1				
Totals	21	59	14	33	1	5	1	5

2.5 Weather

Figure 3 and Figure 4 show the NZ Meteorological Service weather records for the survey period for Nelson Airport. The survey period was hot and dry, and was often described as pleasantly and unusually so.

² 'n' describes the number of completed responses (the 'sample') of relevance to the analysis being described. Where a table describes only percentage figures, n describes the size of the sample (or number of 'observations') the percentage figures refer to. Where n is low and that data is being used in a cross-tabulation (e.g., the origin of jet boaters, where n=9), there is likely to be a high level of error). In mathematical terms, 'n' is any indefinite number.

³ Ziliak, S.T., McCloskey, D.N. 2008. *The Cult of Statistical Significance*. University of Michigan

Figure 1: Maitai River survey sites and river sections

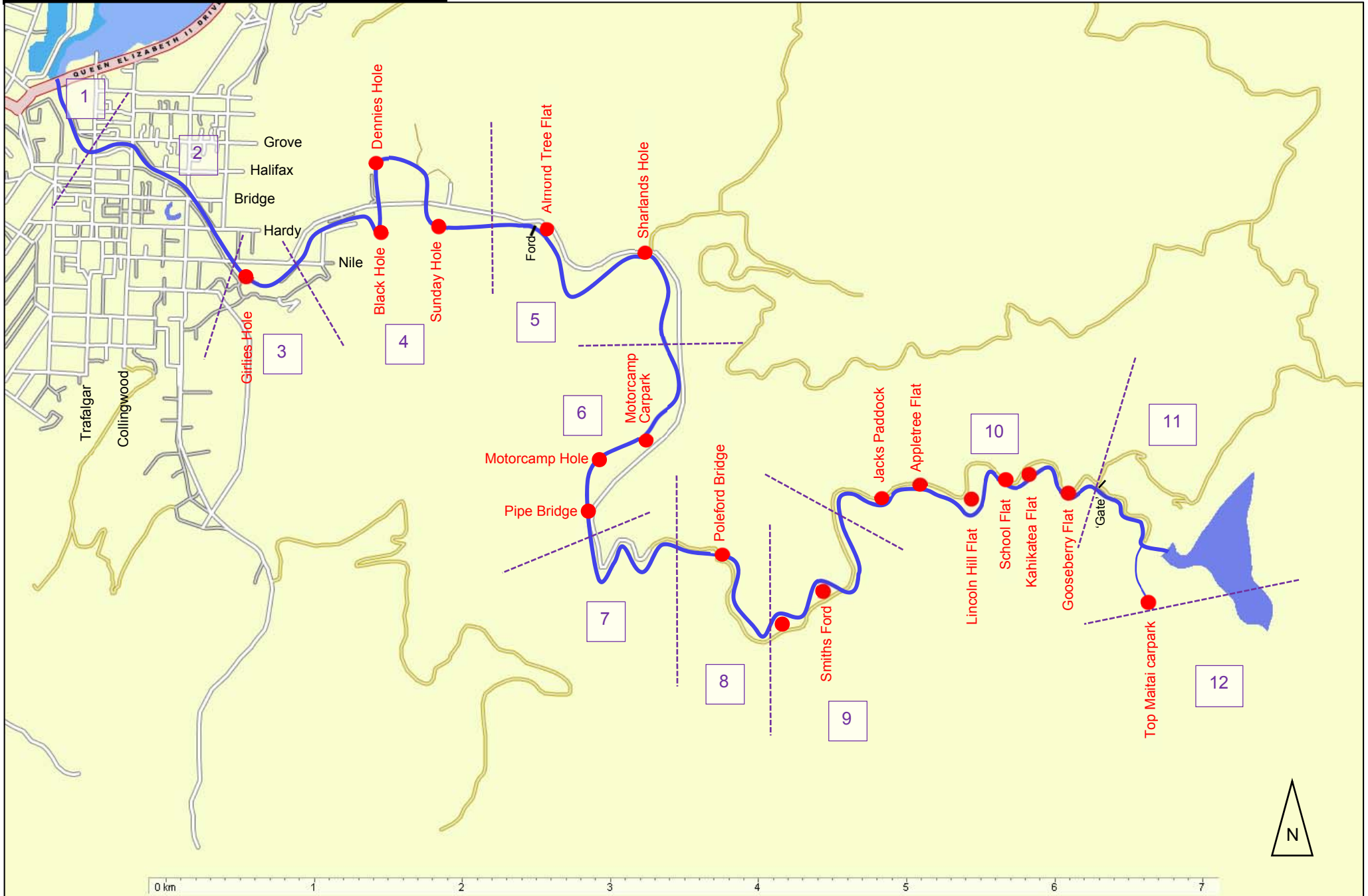


Figure 2: Roding River survey sites and river sections

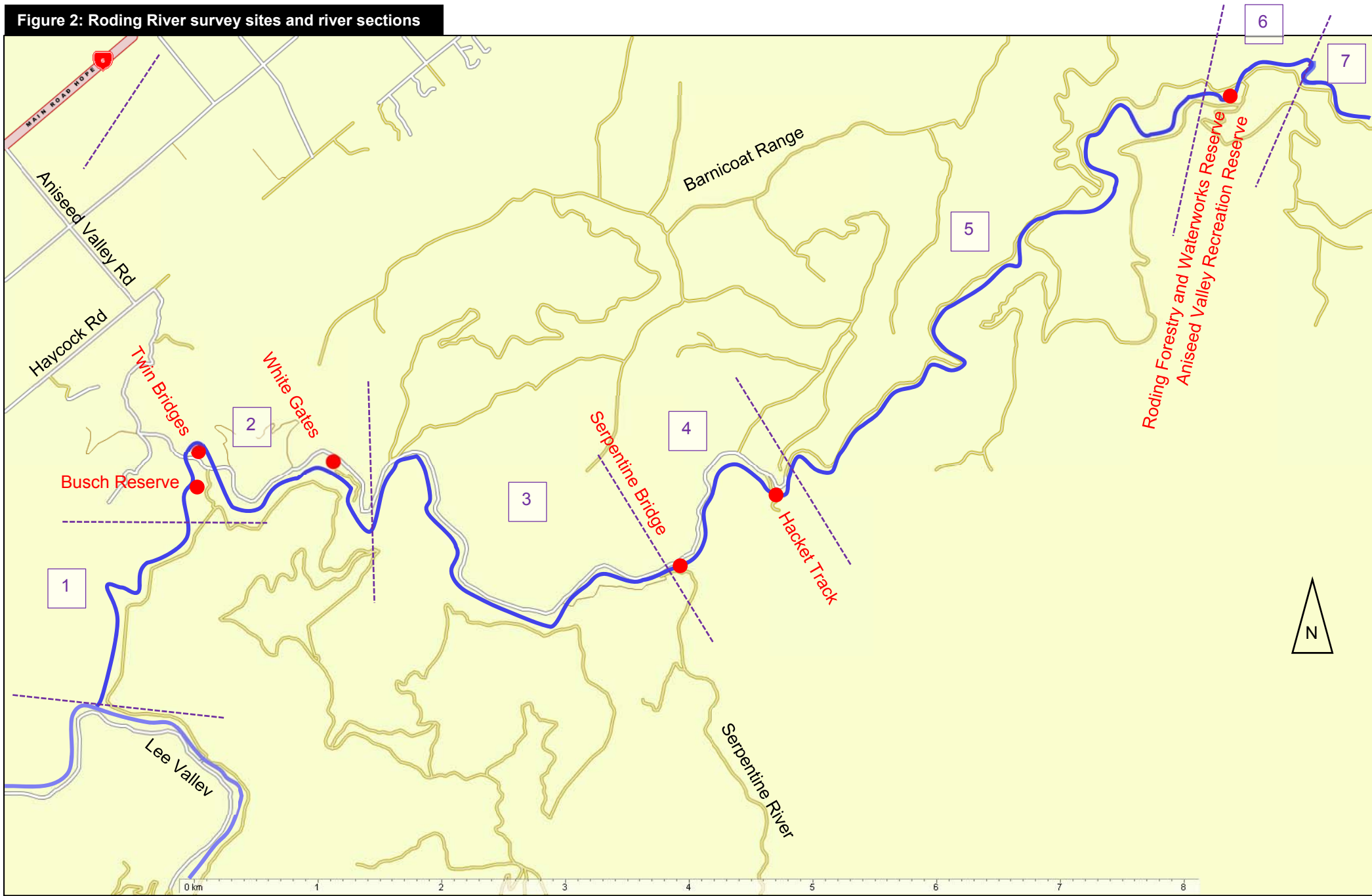


Figure 3: Weather record for Nelson Airport for January 2015. Source: NZ Met Service

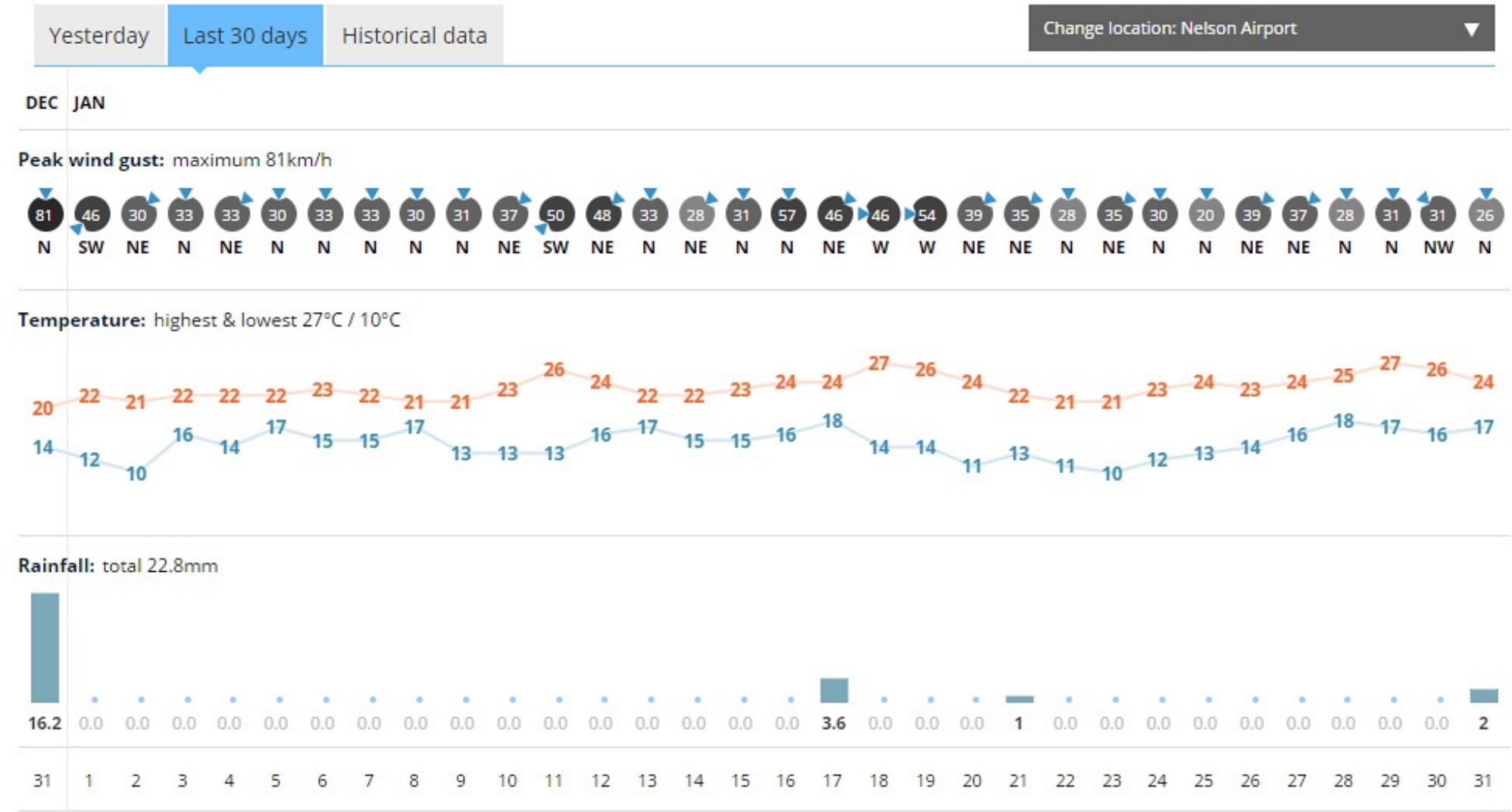
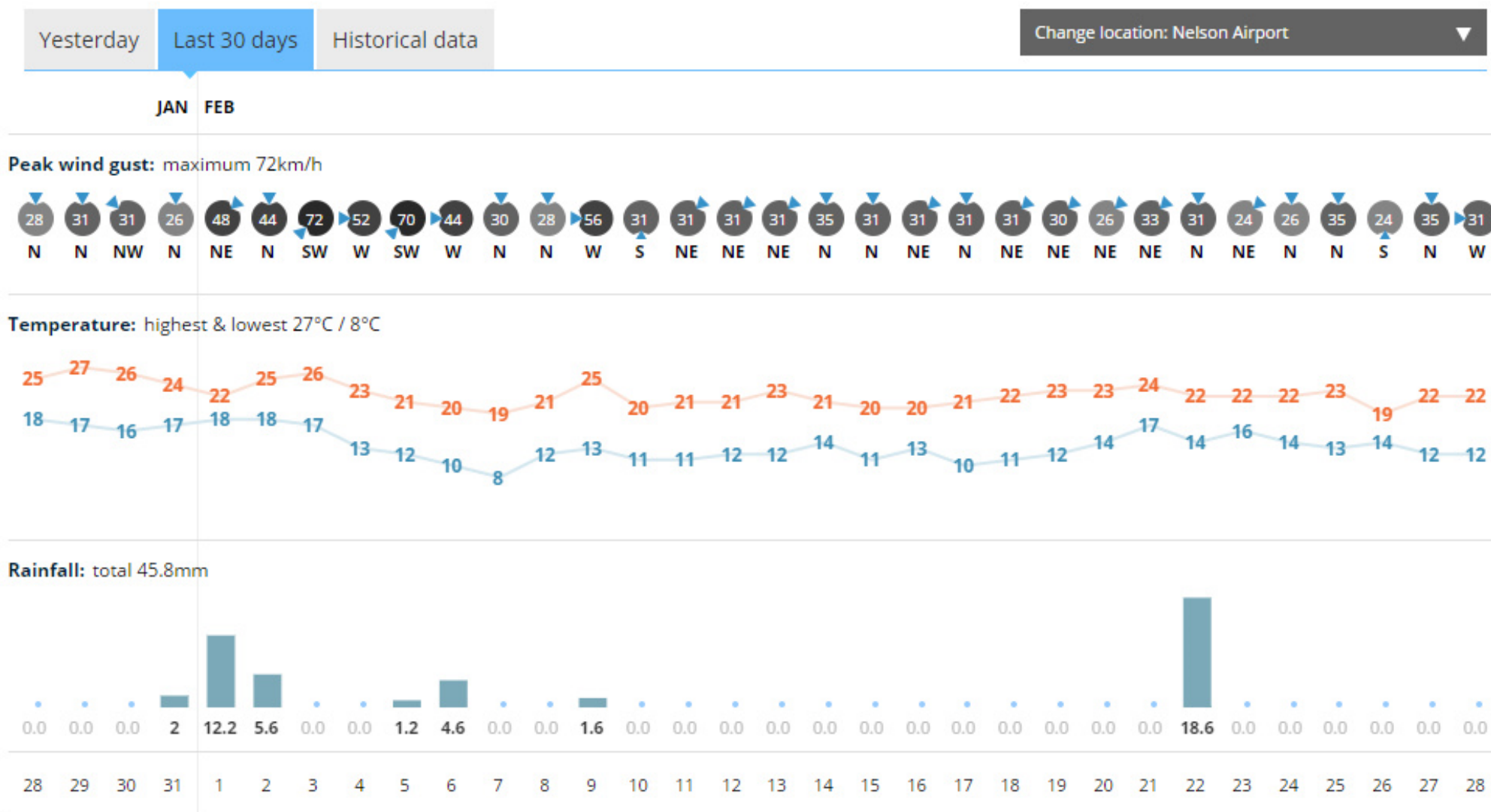


Figure 4: Weather record for Nelson Airport for February 2015. Source: NZ Met Service



2.6 River flows

Flows on the Maitai River dropped as low as 0.39 m³/s during the survey period and to 0.19 m³/s on the Roding River (Figure 5 and Figure 6). The 7 day mean annual low flow for the Maitai River at Avon Terrace is 0.375 m³/s and 0.1 m³/s on the Roding River at Caretakers. These data are used in the results for Question 16 relating to flow preferences compared with those encountered on the day (Section 3.5).

Figure 5: Maitai River at Avon Tce - Daily peak flow (hourly mean) in m³/s for survey period

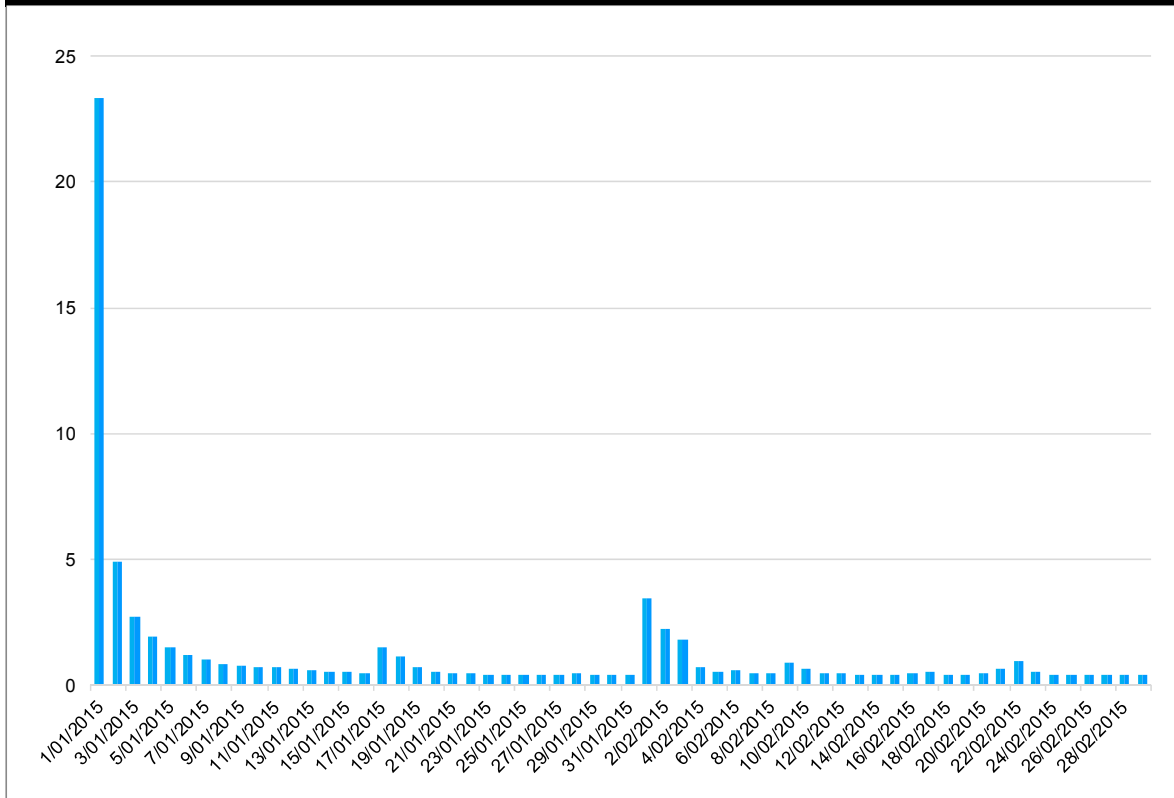
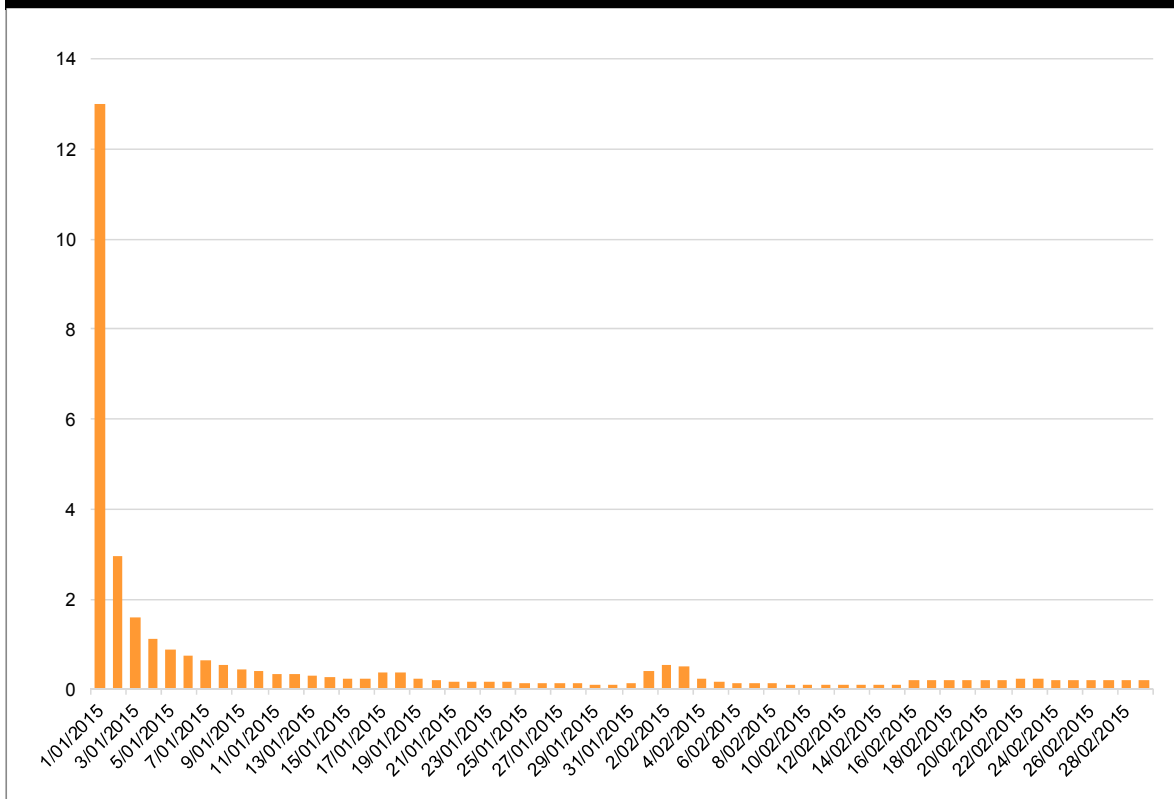


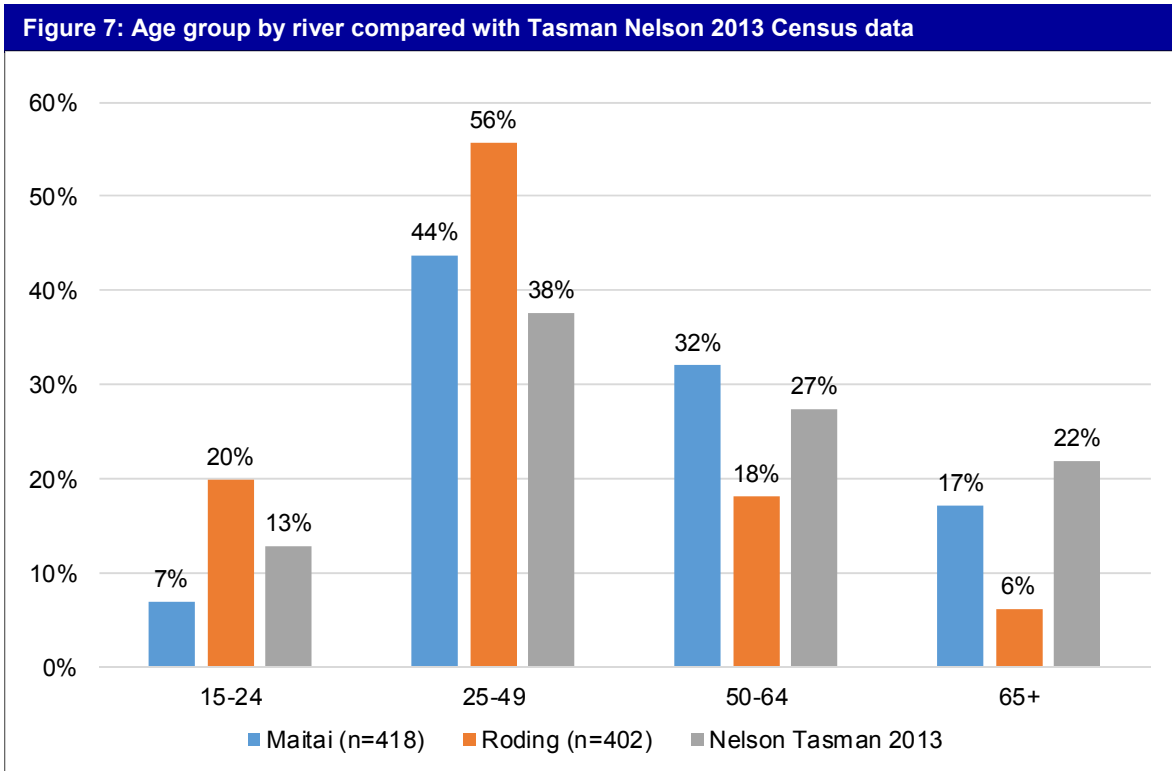
Figure 6: Roding River at Caretakers - daily peak flow (hourly mean) in m³/s for survey period



3 Results – intercept survey

3.1 Demographics

Figure 7 shows the age groups of respondents compared with 2013 Census data for the Nelson and Tasman regions combined. Those aged under 15 were not interviewed and were treated as non-responses. The Roding River tended to have a younger age-profile than the Maitai, while the Maitai was more comparable with the regional profile.



On the Maitai River, 46% of respondents were male and 54% female. On the Roding River, 44% were male and 56% female. The regional profile (Tasman and Nelson 2013 Census) is 49% male and 51% female.

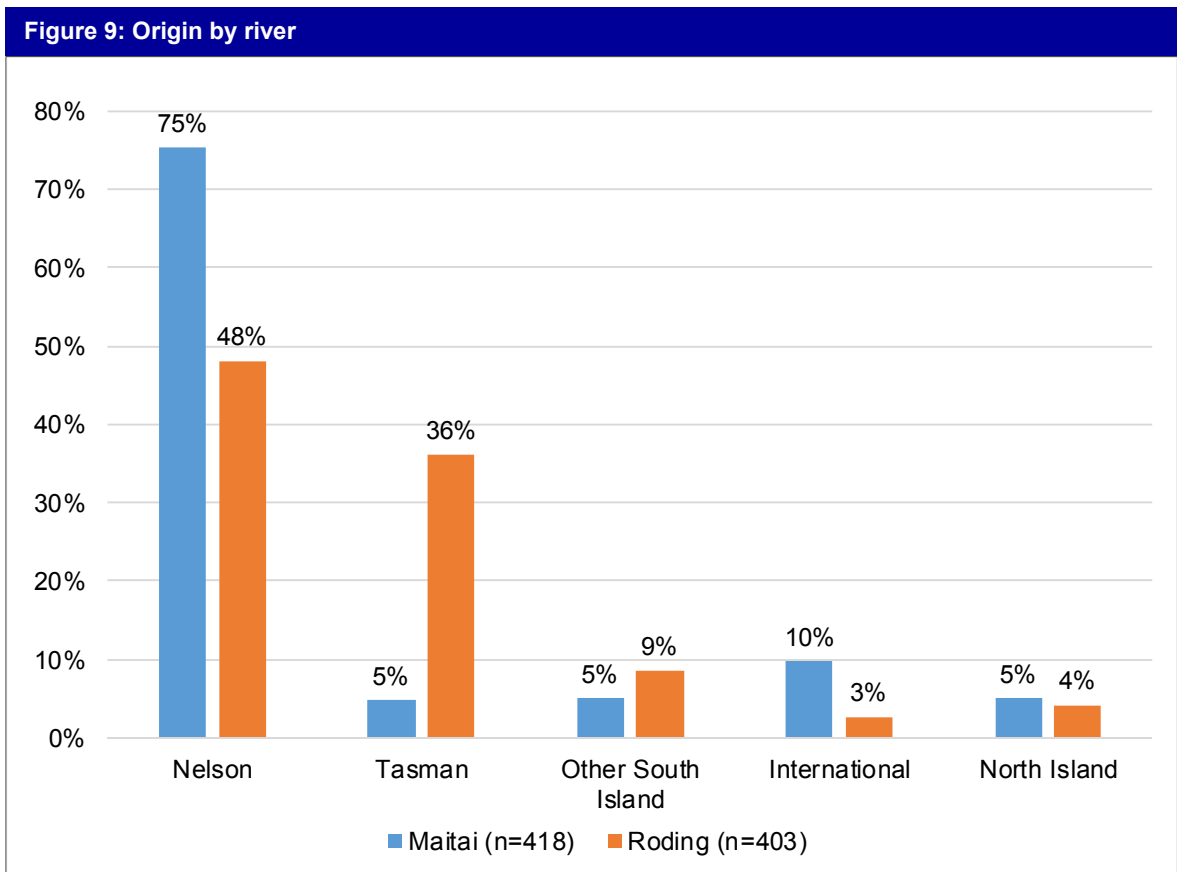
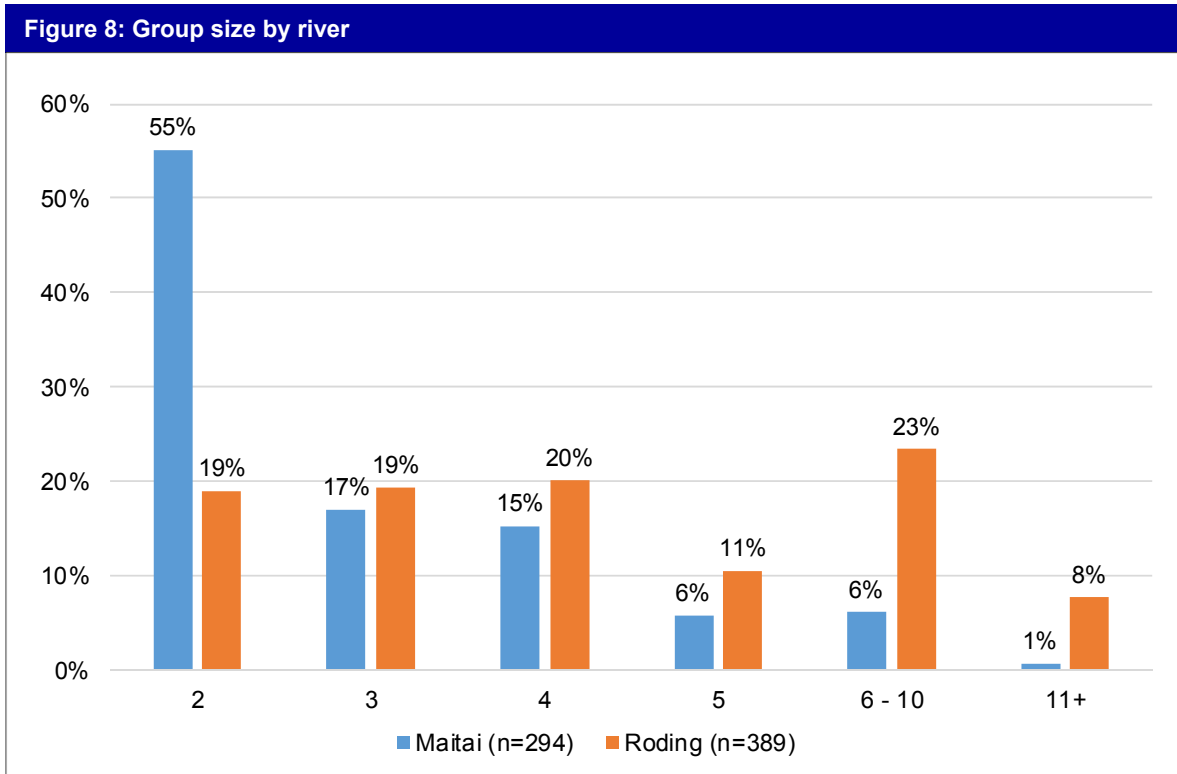
On the Maitai River, 29% of respondents were visiting alone compared with only 3% on the Roding River. The remainder were visiting in groups. The mean group size was 3.0 for the Maitai and 5.4 for the Roding.⁴ Figure 8 shows group size for each river. The Roding tended to have much larger groups than the Maitai, with, for example, four groups of 30 at Busch Reserve, and 30 groups of between 11 and 20 people at the Busch, White Gates, Twin Bridges Reserves and the Hackett Track carpark, compared with one group of 15 and one of 20 around Branford Park on the Maitai (for group sizes over 10). While this represents a total encounter level of 2118 people for the Roding River compared with 1022 for the Maitai, this does not indicate different levels of patronage for each setting, but is merely an artefact of the survey method. That is, targets of 400 respondents were applied to each river and because the Roding tended to be a group-focused setting, the outcome is a greater number of total encounters for the Roding.

The mean number of years respondents had been visiting both rivers was 12.

Figure 9 shows the origin of respondents by river, grouped as shown. Table 20 in Appendix 1 shows specific suburbs, cities and countries by river. Nelson City residents made up 62% of all respondents, and Tasman residents 20% for both rivers, although both regions have similar populations. This most likely reflects many Tasman residents living well-away from either setting and with other fresh-water

⁴ Calculated by multiplying the number in each group by the number of respondents for each group size, divided by the total number of respondents in groups.

recreation options nearby. Maitai River respondents were mostly from Nelson, whereas the Roding River had a closer representation between Tasman and Nelson residents (36% and 48% respectively).



3.2 Activities, location and frequency

Table 2 shows all activities undertaken by respondents 'today and in the past' for activities named by more than 10 respondents in total for both rivers. Table 21 in Appendix 1 lists all activities, including 'other'.

Table 3 lists the main activity undertaken by respondents on the day they were interviewed. These main activities are used in later cross-tabulations to identify preferences by activity. Swimming is a key activity on the Roding River, while the Maitai has a stronger focus on walking and dog walking, although swimmers are also well-represented. The number of respondents on each river who were swimming (n=119 for the Maitai and n=322 for the Roding) gives a well-sized sub-sample for specific analysis. Walkers on the Maitai are also well represented (n=175) while dog walkers on the Maitai are marginal for specific analysis (n=41). All other activities have small sub-samples (n=<23) and further analysis by these main activity groups is avoided because it is less likely to be representative of all participants in whose activities.

Table 2: All Activities	Maitai (n=1018)	Roding (n=1217)
Swimming	26%	32%
Picnicking	11%	30%
Walking	25%	5%
Mountain biking	11%	2%
Dog walking/swim	7%	5%
Sport	1%	5%
Relaxing	3%	3%
Jump into water		5%
Running	4%	<1%
Sightseeing/scenery	2%	1%
Socialising	1%	2%
Kayaking	2%	1%
Playing	1%	1%
Snorkelling		2%
Rafting	1%	1%
Sunbathing	<1%	1%
Photography	<1%	<1%
Other	5%	4%
Totals	100%	100%

Table 3: Main Activity	Maitai (n=418)	Roding (n=403)
Swimming	28%	80%
Walking	42%	4%
Picnicking	5%	7%
Dog walking/swim	10%	1%
Mountain biking	6%	<1%
Relaxing	3%	2%
Sightseeing/scenery	2%	1%
Running	2%	<1%
Socialising		1%
Commuting	1%	

Table 3: Main Activity	Maitai (n=418)	Roding (n=403)
Jump into water		1%
Playing	<1%	<1%
Fishing	<1%	
Painting	<1%	
Waiting for lorry to take skip away after party	<1%	
Pest eradication	<1%	
Kayaking		<1%
Photography	<1%	
Hunting		<1%
Motorbiking	<1%	
Snorkelling		<1%
Rafting		<1%
Totals	100%	100%

Figure 10 and Figure 11 show these activities by location on the Maitai and Roding Rivers respectively. The figures show the location, type and level of activity; the latter indicated by the proportional size of the pie charts.

The Maitai River was surveyed by river section, with six sections above the Pipe Bridge as shown in Figure 1. There was relatively little visitor activity in these sections and while less survey time was expended here the difference in effort was not so great to suggest that the relative scale of activity shown in Figure 10 is not representative. Survey site 1 – the lower Maitai walkway – was partly closed at the intersection of Trafalgar Street due to construction work, and the relatively low level of activity is likely to be a reflection of this. Sections 3 to 6 of the Maitai had a strong focus on swimming while the lower River was more likely to attract walkers.

The Roding River was also surveyed by section (see Figure 2), but in reality the vast amount of activity was recorded at the four reserve sites shown in Figure 11, although 10 respondents were encountered parked at roadside sites between the Hacket and White Gates, all swimming. Swimming was by far the dominant main activity at all sites. Some survey time was expended up-river of the Hacket Track, but was very unproductive with relatively few visitors spending long-periods away from the survey sites, and indicated largely by the presence of their parked cars.

Figure 10: Maitai River activities by sites - scaled

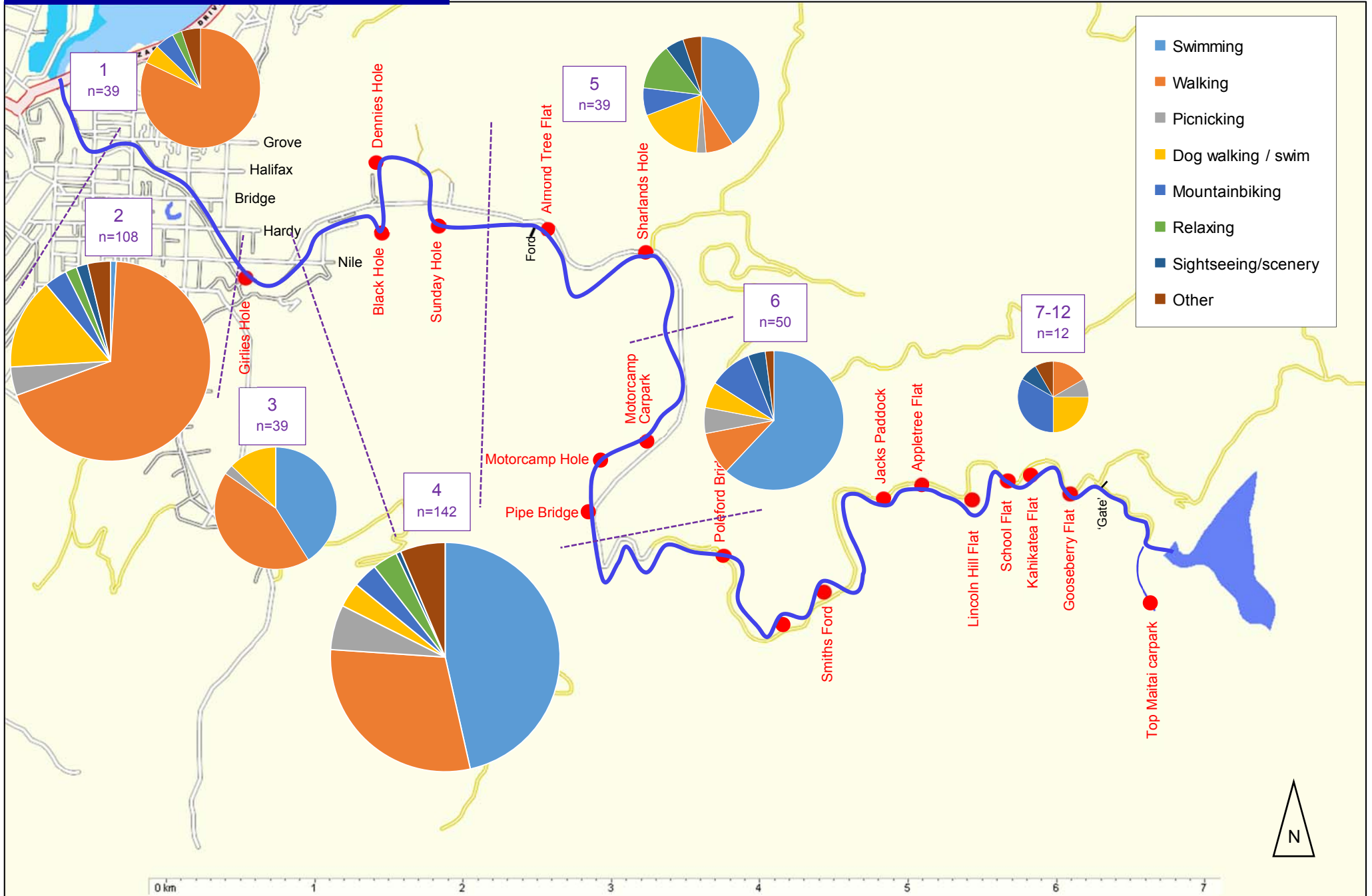


Figure 11: Roding River activities by sites - scaled

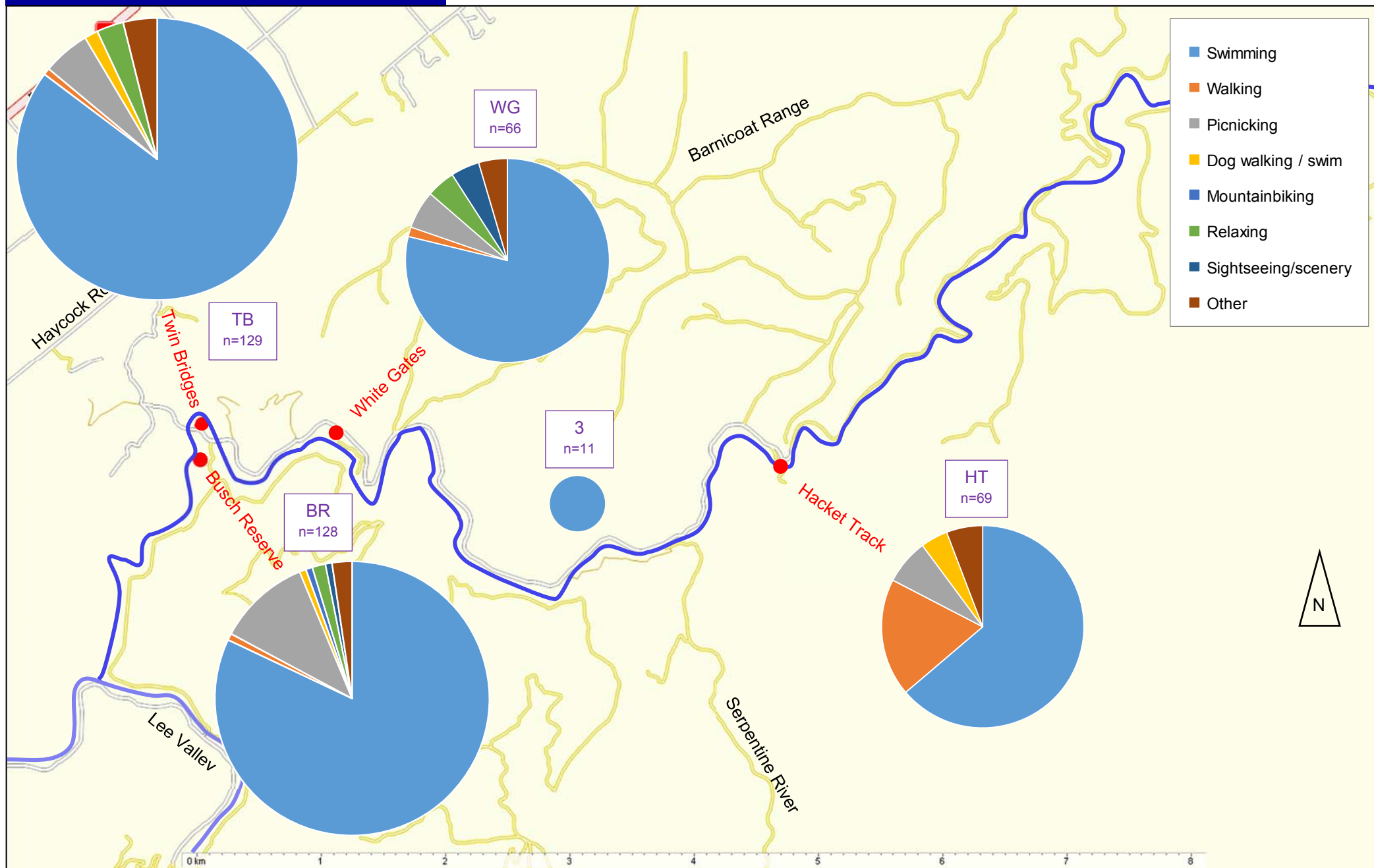


Table 4 shows how respondents moved along the Maitai River, indicating, for example that while respondents interviewed in survey section 6 (left column) stayed mostly at the one site, several also visited sites 9 and 12 (top row); and many respondents in section 4 (the section with the most respondents) used a wide stretch of the River on the day of their visit.

Table 4: Maitai River – river sections used by site intercepted												
Sections used	1	2	3	4	5	6	7	8	9	11	12	n=
Site intercepted												
1	100%	33%	10%	8%	3%	3%						61
2	19%	100%	32%	15%	3%							184
3	7%	29%	100%	75%	29%	11%	4%					71
4	4%	11%	22%	100%	23%	7%	1%	1%	1%			240
5					100%	18%						46
6					2%	100%			4%		6%	56
9						25%			100%	25%		6
11									25%	100%	75%	8
12											100%	4
n=	68	146	98	182	84	72	2	1	8	5	10	1058

Respondents on the Roding River were less likely to move around the setting, with users of the three main reserves staying put during their visit 'today' (Table 5), although a percentage of all visitors checked out section 4 – most likely the Hacket Track carpark – during their day. Visitors to the Hacket were more likely to have visited another reserve in another part of the River.

Table 5: Roding River – river sections used by site intercepted						
Sections used	2	3	4	5	6	n=
Site intercepted						
Busch Reserve	100%		5%			135
Twin Bridges	100%		9%			139
White Gates	100%	2%	14%			76
Section 3		100%	20%			12
Hacket Track	18%	1%	100%	1%	1%	82
n=	334	12	96	1	1	444

Figure 12 and Figure 13 show frequency of visits by river. The Maitai River tends to sustain visits over winter, and has a higher level of daily use by respondents in comparison with the Roding River (33% and 9% respectively in summer, and 20% and 0% respectively in winter).

Figure 12: Frequency of visits in summer by river

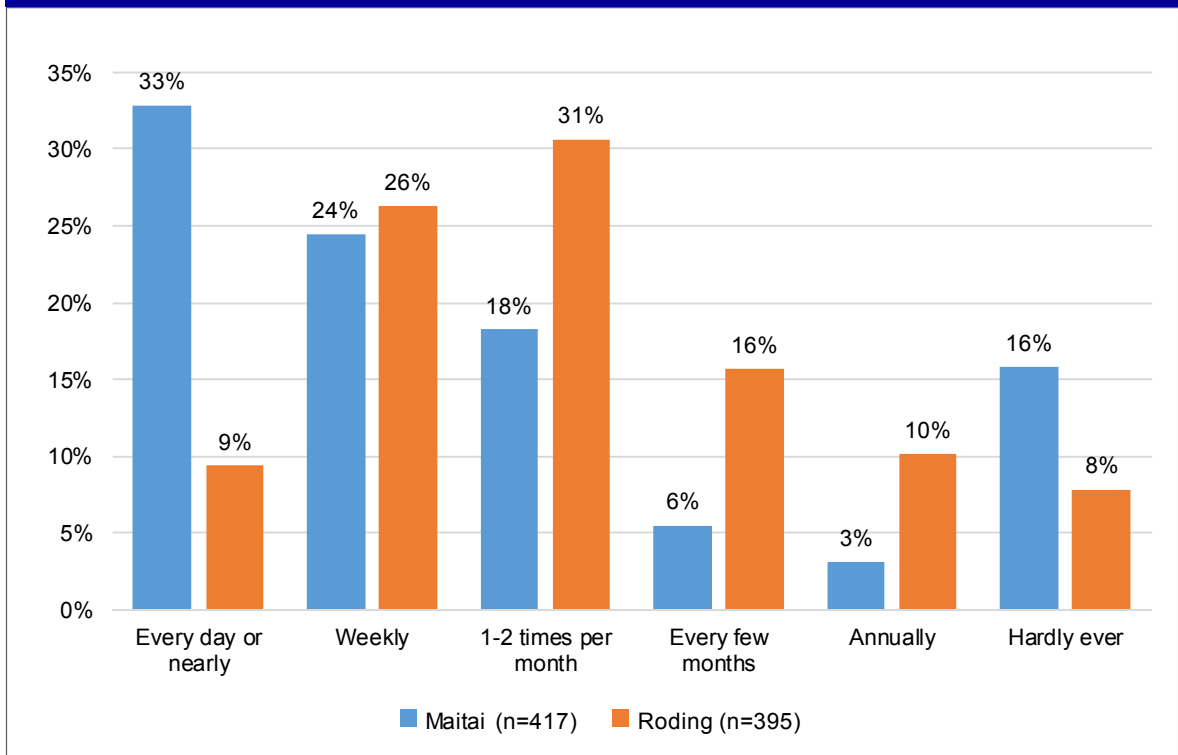
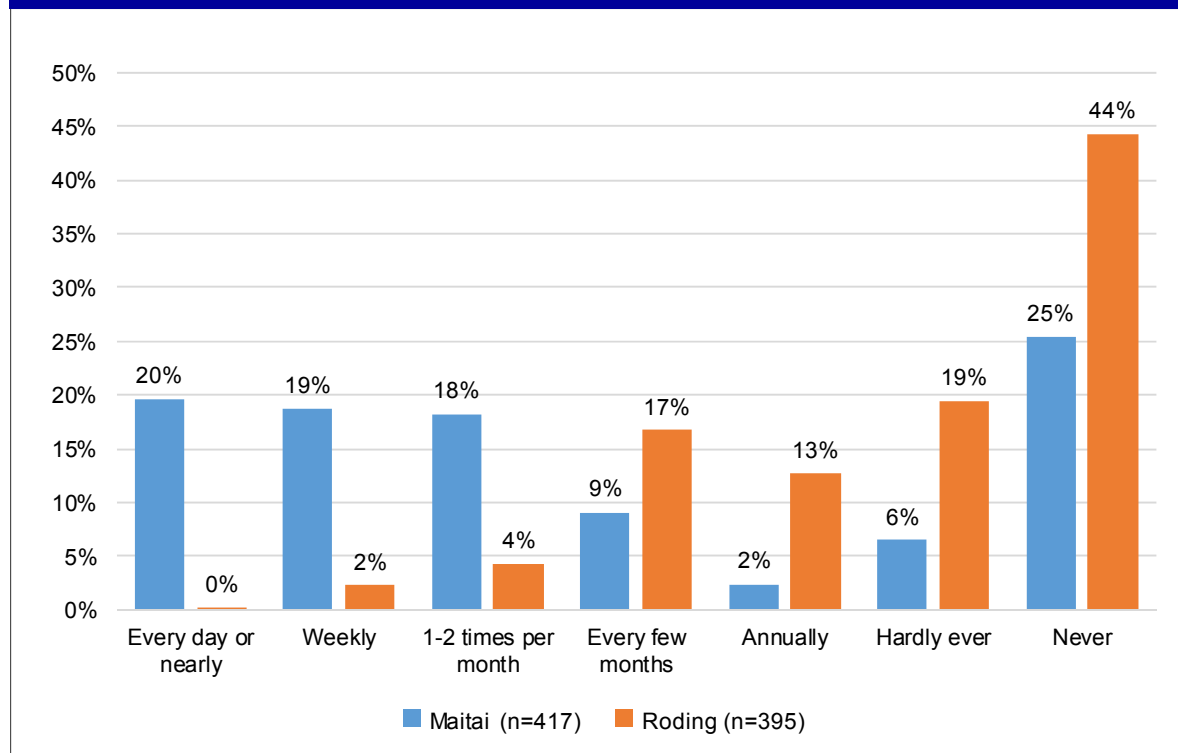


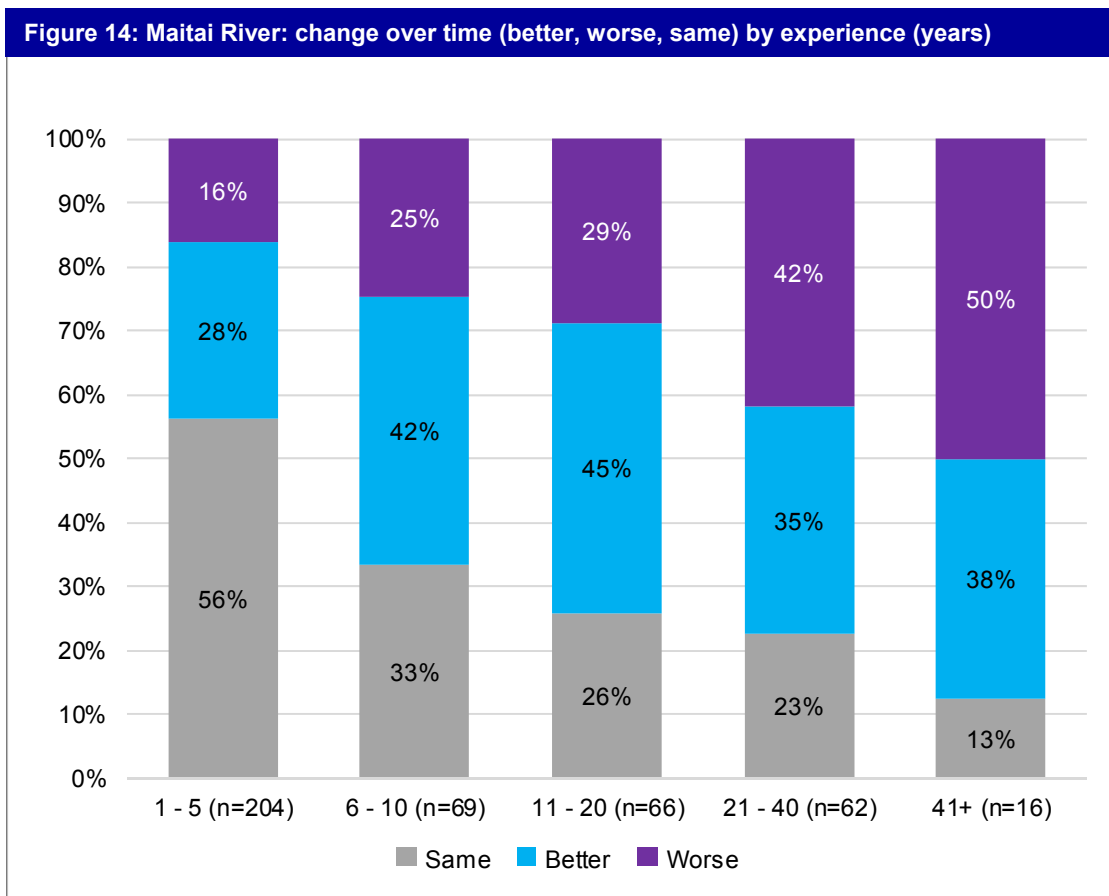
Figure 13: Frequency of visits in winter by river



3.3 Change over time, best and worst aspects

Respondents were asked if, in their opinion, that the river was better, worse or the same as the first time they had visited it. They were also asked how many years they had been visiting the river.

For the Maitai River, 56 respondents felt that they had insufficient experience to comment and were excluded from the analysis for this question. Overall, 35% of valid respondents felt the Maitai River was better, 26% felt it was worse and 33% thought it had not changed. Figure 14 shows these data by period of respondents' experience in years. Those with a longer period of experience tended to think the River had changed for the worse (50% for those with more than 40 years of experience), with those with between 6 and 20 years of experience more likely to think it was better.



For the Roding River, 73 respondents felt that they had insufficient experience to comment and were excluded from the analysis for this question. Overall, 19% of valid respondents felt the Roding River was better, 25% felt it was worse and 56% thought it had not changed. Figure 15 shows these data by respondents' period of experience in years. Those with the longest period of experience tended to think the River had changed for the better (45% for those with more than 40 years of experience, although the number of respondents in this group is small: n=11).

Figure 15: Roding River: change over time (better, worse, same) by experience (years)

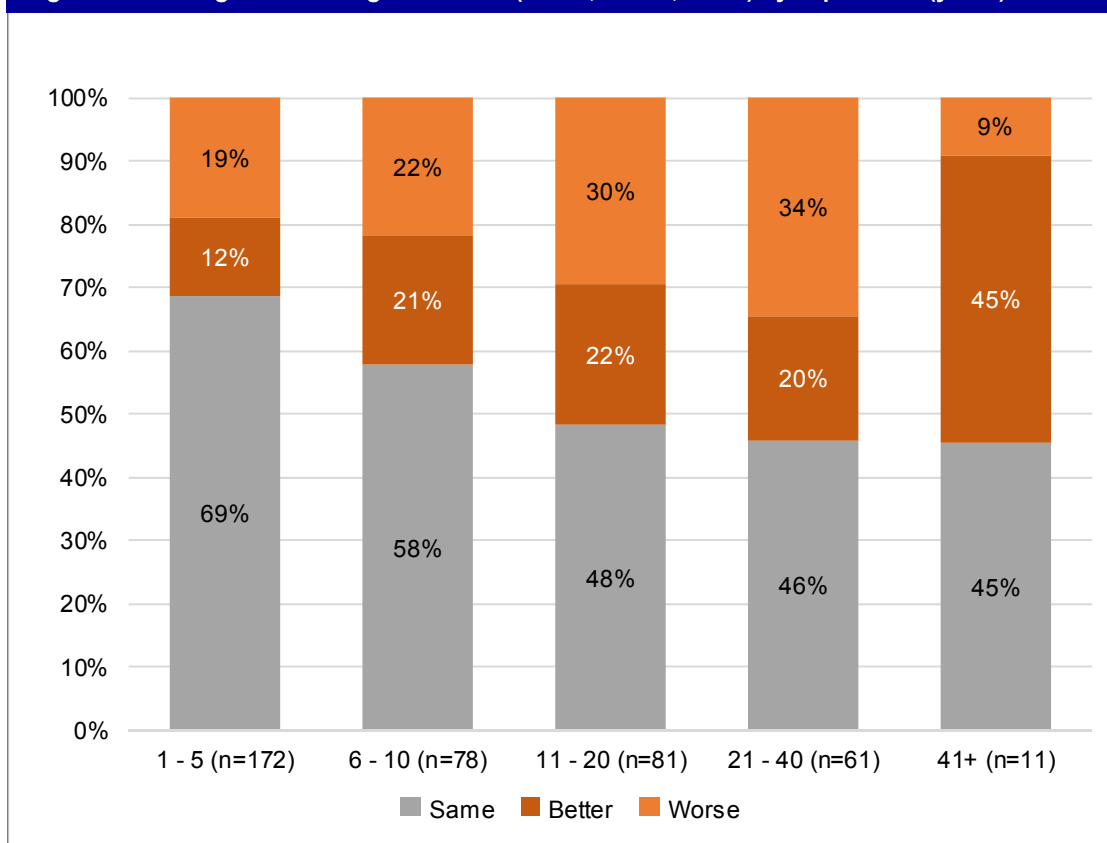


Table 6 shows the main reasons the rivers were considered better than in the past. Improved tracks and paths and other amenities were frequently cited for the Maitai River. Amenities and deeper and cleaner water were top features of the Roding River. Respondents were able to give multiple answers.

Table 6: Reasons better (count)	Maitai	Roding
Paths and tracks better	46	
Amenities / facilities improved	24	20
Well maintained tidier	22	
Cleaner / clearer water	11	9
Deeper / more water	3	12
Less algae/slime	8	3
Access better	8	2
Swimming better	3	4
Landscaping	7	
Trees / planting	7	
User friendly	5	1
Fewer people	1	4
Art/sculpture	5	
Other	78	23

Table 7 shows the main reasons the rivers were considered worse than in the past. Issues with algae and low flows were frequently cited for both rivers. Where respondents mentioned toxic algae or cyanobacteria, their responses were not grouped with 'algae / bloom / growth', and three respondents mentioned this specifically for the Maitai River. Respondents were able to give multiple answers.

Table 7: Reasons worse (count)	Maitai	Roding
Algae / bloom / growth	40	41
Lower water / flow	24	30
Dirtier water	16	7
Water quality deteriorated	17	2
Rubbish	3	2
Didymo / rock snot	3	2
Pollution	5	
Other	65	23

Full results for both Table 6 and Table 7 are given in Appendix 1. Note that although respondents may have said their key response was, for example, that a river was 'worse', several made positive comments as well as negative ones. Table 22 and Table 23 in Appendix 1 therefore show some positive and negative comments that do not match the initial judgement that a river is worse or better.

Table 8 lists the main 'best aspects' of each river. Swimming, swimming holes and deep holes were a particular feature of the Roding River, while on the Maitai River the calm or peaceful nature and its proximity to town appealed. Respondents were able to name more than one 'aspect'.

Table 8: Best aspects by river (count)	Maitai	Roding
Swimming / swimming hole	70	158
Calm atmosphere / peaceful	115	42
Clear / clean water	43	106
Close to town / accessible	102	39
Beautiful / nice view/scenic	74	41
Walking / cycling / running tracks	96	7
Trees / bush	74	14
Dog walking / friendly/swimming	41	31
BBQ / picnic area	6	71
Family friendly	25	42
Few people	17	44
River	38	15
Natural surroundings	41	10
Large open space	11	38
Jump off rocks / bridge	5	43
Safe	11	36
Shade	10	32
Wildlife	33	9
Grass / green	21	13
Social setting	18	13
Changing facilities / toilets	8	22
Facilities	13	13
Easy access to river	1	22
Car parking	6	15
Warm water	1	18
Well maintained	9	8
Lots of activities to do / multi-use	7	7
Sunny	3	9

Table 8: Best aspects by river (count)	Maitai	Roding
Other	60	67

Table 9 list the main 'worst aspects' of each river. Insects were a key issue on the Roding River. Both rivers had issues with algae and slime, but reference to cyanobacteria and / or toxic algae was only made in relation to the Maitai River.

Table 9: Worst aspects by river (count)	Maitai	Roding
Mosquitos / sandflies / wasps etc	30	72
Dogs / dog poo	22	41
Litter / rubbish	25	36
Algae / bloom / growth	37	21
Slipperiness/slime	11	31
Crowded (at times)	11	26
Toxic algae / cyanobacteria	34	
Anti-social behaviour	11	20
Water level low	17	10
Amenities and facilities lacking	7	18
Access to water	3	22
Cyclists	24	
Toilets	1	21
Water quality	19	1
Dirty water/sludge / gunk / brown stuff in river	12	7
Stones / rocks sharp	1	17
Pollution	12	
Gorse / broom / weeds	4	8
Drive in on road	1	10
Other	97	91

Just over 2.5 times as many 'best aspects' were named for the Maitai River in comparison with 'worst aspects' (959 best compared with 379 worst); and 2.1 times as many 'best aspects' for the Roding River (986 best compared with 452 worst).

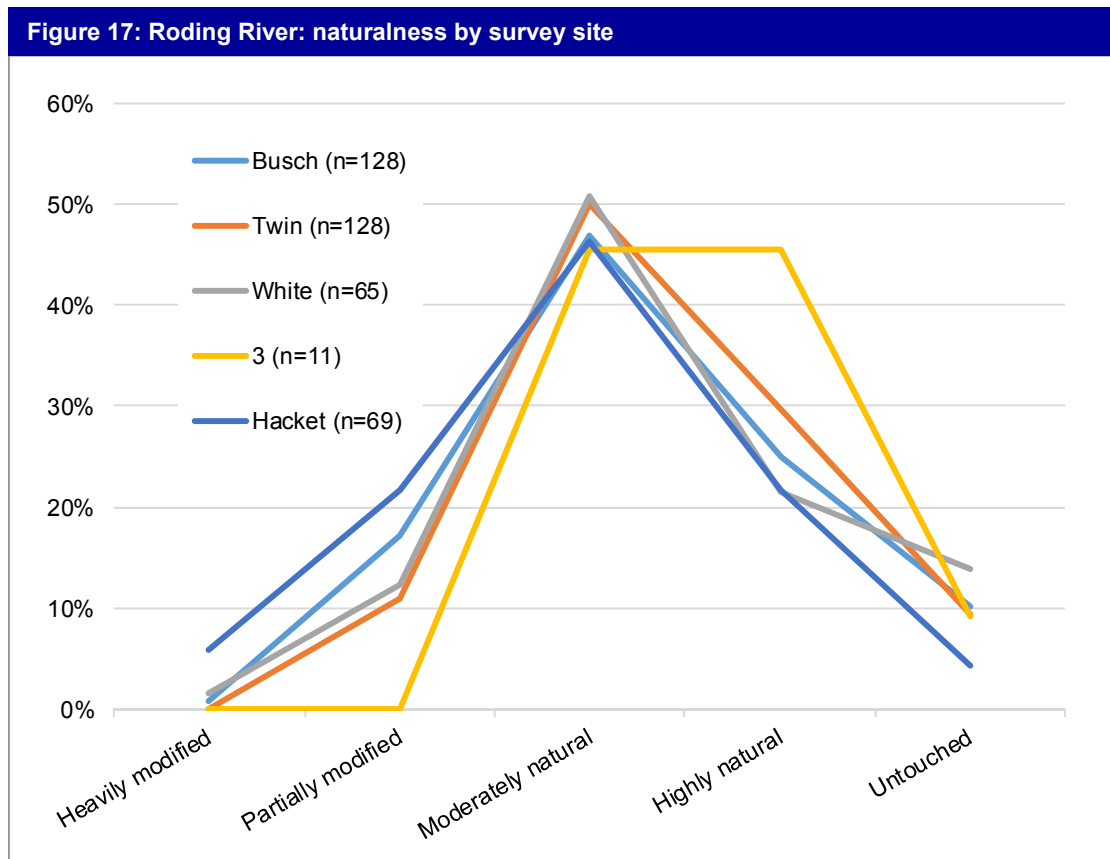
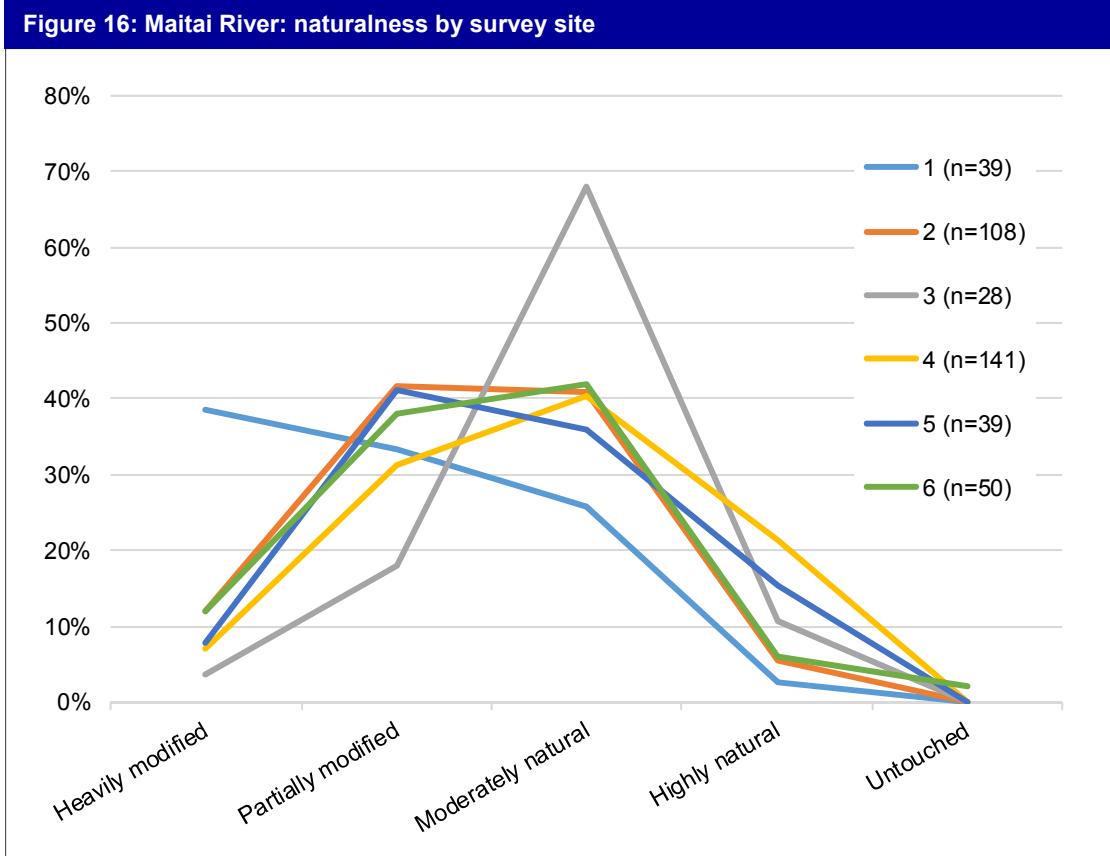
The survey question for best and worst aspects asked respondents to name their 'aspects' and to give a reason why they thought of that aspect. The 'reasons' were less frequently given than the aspects and did not add anything to the responses. The 'reason' data was used to ease grouping of this response set, but there seems no reason to use this additional question in the future.

Full responses for worst and best aspects are in Table 24 and Table 25 in Appendix 1.

3.4 Naturalness

Respondents were asked to describe how natural or modified they thought the site (see Figure 1 and Figure 2) they were being interviewed at was.

Figure 16 and Figure 17 show that, almost regardless of where respondents were on the rivers, they held similar opinions; although the lower Maitai walkway (site 1) was more likely to be described as



a 'heavily modified' and site 4 was a little bit of an outlier with a higher assessment as 'moderately natural'. Site 3 on the Roding River – with no formal reserves – was more likely to be assessed as 'highly natural'. The Roding River sites were skewed towards the natural side of the spectrum. Base data are provided in Table 26 and Table 27 in Appendix 1. The number of responses for sites upriver of site 6 on The Maitai were too few to be valid and have been excluded.

3.5 Flows

Respondents were asked if their water-based activities were ever not possible due to low flows. Table 10 shows that the Roding had a higher 'never' level of response to the Maitai, and higher level of reliability generally. Water-based activities undertaken by the 17 respondents who stated that low flows in the Maitai River 'frequently' made their activities impossible included: swimming (15), kayaking (2), rafting (2) and fishing (1) (respondents could name more than one activity). Respondents who did not participate in a water-based activity were excluded from this response set.

Table 10: Water-based activities not possible due to low flows	Maitai (n=296)	Roding (n=304)
Never	61%	88%
Rarely (less than one visit in ten)	24%	11%
Occasionally (less than half the time)	9%	1%
Frequently (more than half the time)	6%	
Total	100%	100%

Table 11 shows the percent of respondents who checked the rivers' flows before visiting 'today'. Fewer checked flows on the Roding compared with the Maitai. Of those 19 respondents on the Roding who checked, 8 relied on a recent visit, 6 assumed it would be high after a recent rain, 2 relied on word of mouth, one checked online and the remainder lived locally. Of the 42 who checked the flow on the Maitai, 23 had a look at the river before leaving home (they lived locally), 5 relied on a recent visit, 5 looked online, 3 checked the newspaper and 2 looked at the tides.

Table 11: Did you check the flow of the river before visiting?	Maitai (n=417)	Roding (n=403)
Yes	11%	5%
No	89%	95%
Total	100%	100%

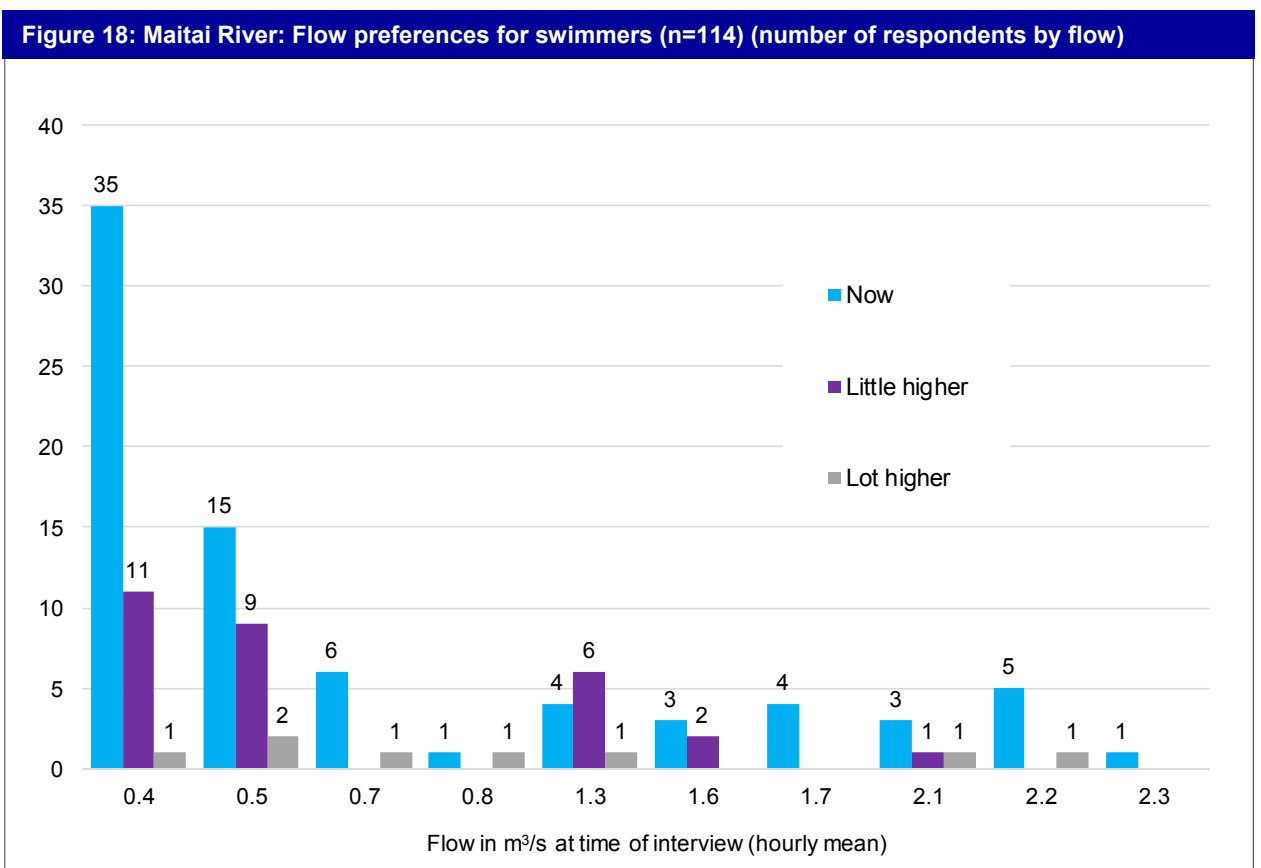
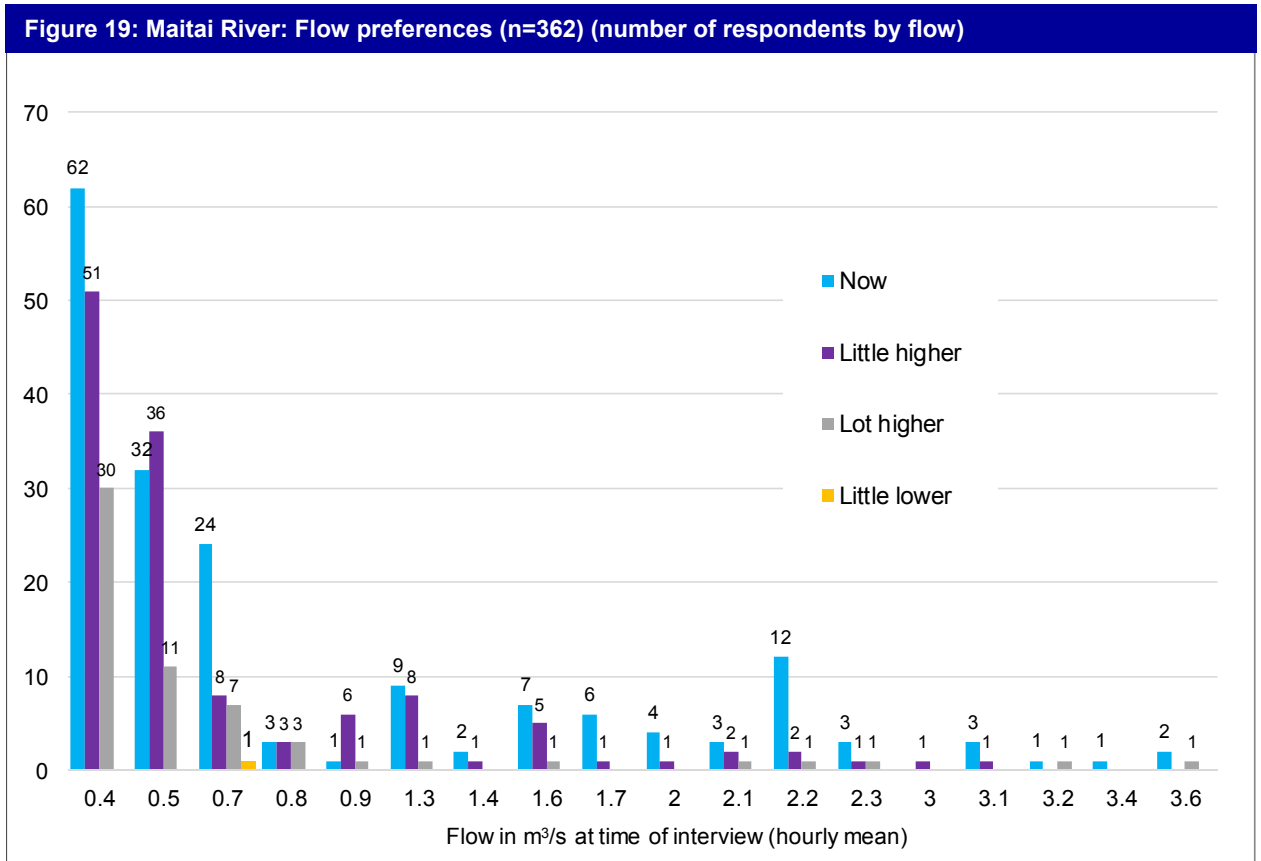
Respondents were asked their opinion about the river flow at the time they were interviewed, with the options of describing a preferred flow:

- I don't know
- I prefer it the way it is today or now
- I prefer it a **little higher** than it is today (about 10% higher)
- I prefer it a **lot higher** than it is today (about 50% higher)
- I prefer it a **little lower** than it is today (about 10% lower)
- I prefer it a **lot lower** than it is today (about 50% lower)

On the Maitai River, 55 respondents did not know (13%). Fewer on the Roding had no opinion – 12 respondents (3%). The data below excludes these respondents.

The mean hourly flows were obtained for the Maitai River at Avon Terrace and at Caretakers for the Roding River (see Figure 6 and Figure 5) at the end of the survey period, and entered in the response datasheet for the hour of each interview (a less onerous exercise than it sounds). The data presented here therefore shows the respondents' preferences compared with the hourly mean flow on the rivers at the time of the interview.

Figure 19 shows flow preferences for all respondents on the Maitai River, excluding 'don't knows'. The most common flows for the survey period were between 0.4 and 0.5 m³/s and so most responses relate to these lower flows. Counts rather than percentages are shown to better illustrate data reliability. There was a general preference for the flow encountered at the time of the interview,



although at all flows there were many respondents preferring a 'little higher' flow. Only one respondent sought a lower flow (at 0.7 m³/s).

Figure 20 shows preferences for only those respondents whose main activity was swimming. These users had a strong preference for flows encountered at the time, which is between 0.4 and 0.5 m³/s.

For the Roding River, Figure 21 shows a similar trend the general preference for the flow encountered at the time, but also a common preference for flows a 'little higher' at most flows. The majority of respondents on the Roding River were swimmers and Figure 20 shows a similar trend for this sub-

Figure 21: Roding River: Flow preferences (n=391) (number of respondents by flow)

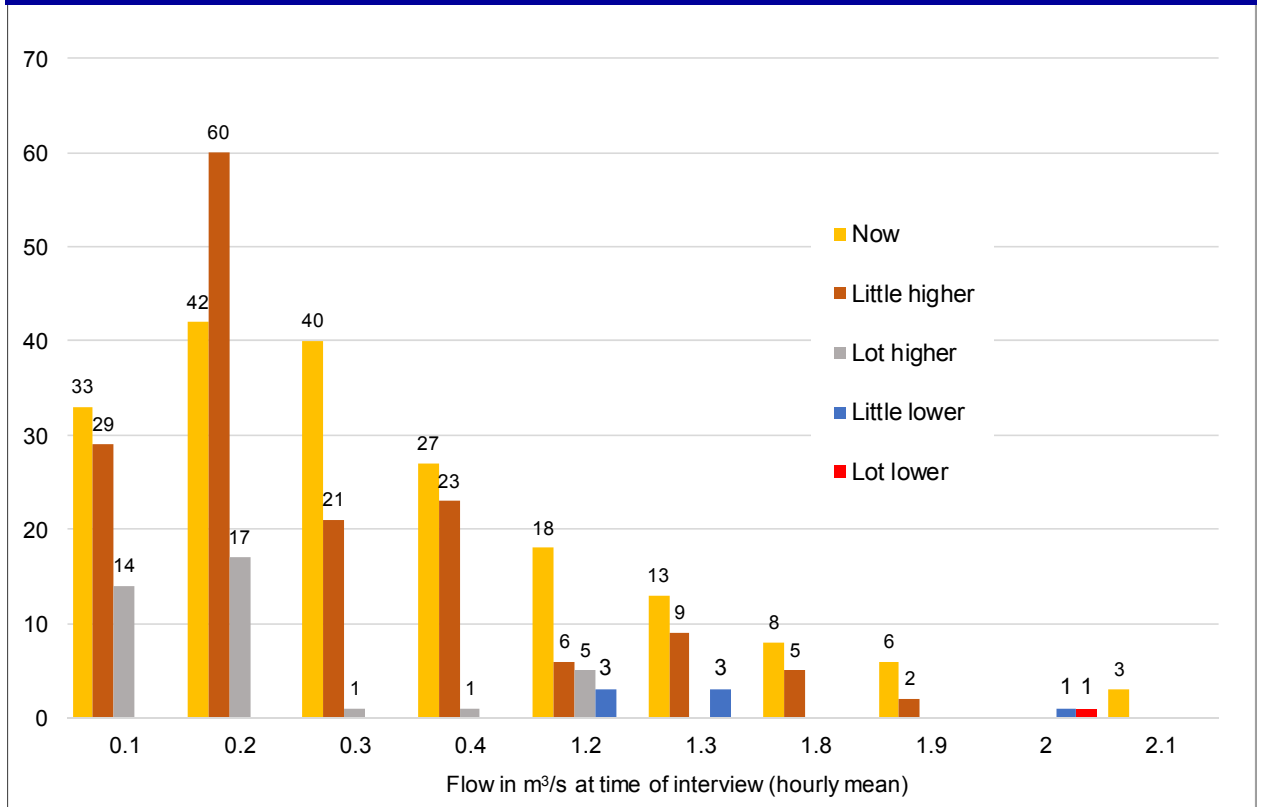
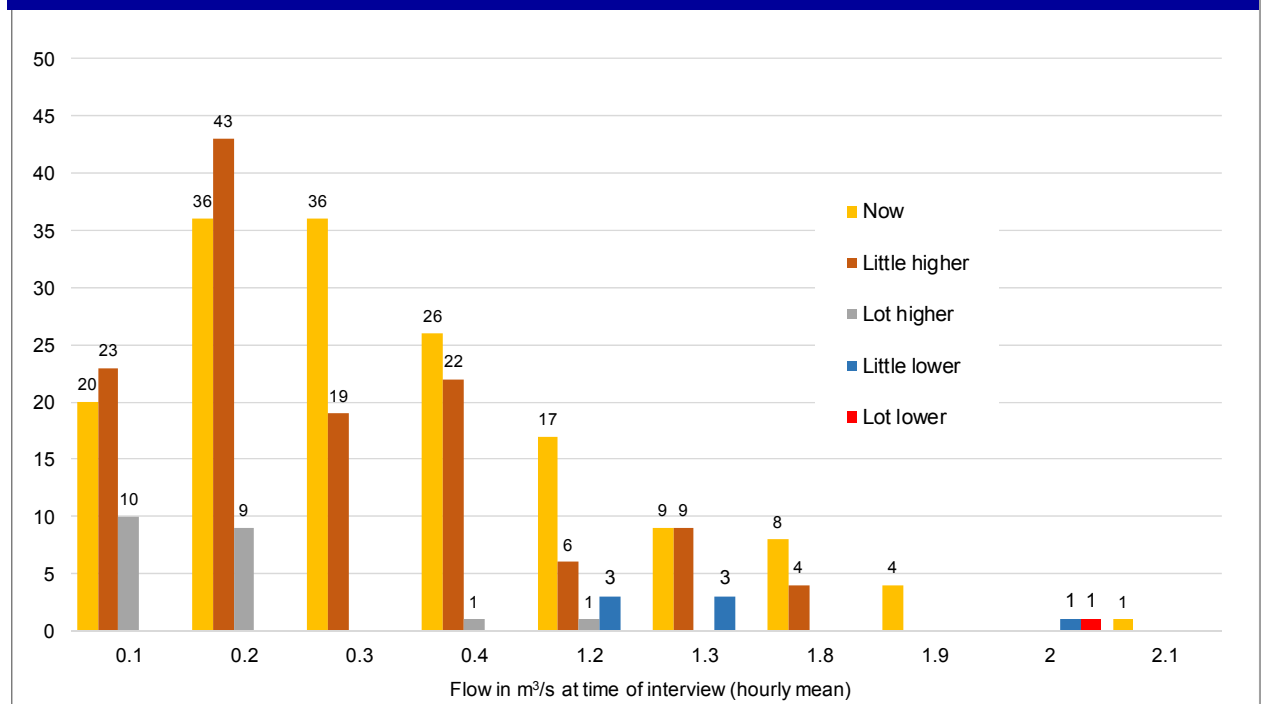


Figure 20: Roding River: Flow preferences for swimmers (n=312) (number of respondents by flow)



group, although these respondents were more likely to prefer flows a 'little higher' at 0.1 and 0.2 m³/s.

Table 12 is a complex one, but worth a look. This shows the reasons given for flow preferences by the flow experienced at the time of the interview. It shows, in general terms, that there is not a lot of consistency in the preferences stated, which the figures above also reinforce. For example, at 0.4 m³/s the flow was considered by 23 respondents to be 'better for swimming', while 11 thought it would also be better a little or a lot higher, and at all other flows responses were given for satisfaction for existing or higher flows. A range of flows was considered safe for children, but the lowest flow encountered gained the most preferences (11 for 'now' at 0.4 m³/s). Respondents were able to name more than one reason for their preference.

Table 12: Maitai - reasons for flow preferences: flow band at time of interview by preference (count)															
Flow band - m ³ /s:	0.4	0.5	0.7	0.8	0.9	1.3	1.4	1.6	1.7	2	2.1	2.2	2.3	3+	n=
Better for swimming / jumping															126
Now	23	21	5	1	1	4	1	5	3		2	3	2	2	73
Little higher	11	12	2	2		5		2	1	2	1	1			39
Lot higher	5	5		1	1						1	1			14
Looks more attractive / nicer															76
Now	6	3	8	1				1		1		4	1	2	27
Little higher	18	4	3		4	1							1	2	33
Lot higher	10		3										1	1	15
Little lower			1												1
Cleaner															56
Now		1													1
Little higher	14	13	1		1	3		2				1	1		36
Lot higher	11	5	3												19
Less algae															42
Now	1				1				1	1		2			6
Little higher	8	4	2			4	1	1			1				21
Lot higher	6	3	3	2		1									15
Safe for children / families															37
Now	11	4	2	1		2			2	1	2	2		1	28
Little higher	2	4			1			1							8
Lot higher	1														1
Wildlife / river health															32
Now			1			1		1					2	1	6
Little higher	13	1			1			1							16
Lot higher	3	3	2	1				1							10
Clean															18
Now	5	2					1	3	2	2				3	18
Let nature be/should be natural															11
Now	4		2	1						1				1	9
Little higher	1							1							2

Table 13 gives a similar picture for the Roding River, with, for example, a similar number of respondents stating 0.1 m³/s being good for swimming and jumping, as well as wanting it a little higher, although at 0.2 m³/s more than three times as many respondents preferred the flow higher as preferred it the way it was. The results could have varied as a result of the site of the interview,

but further analysis shows no interesting variations, and this could be an unavoidable result of the survey method. The Roding interviewer reported that at low flows there was little jumping activity off the bridge at the Hacket, and those potential respondents were not available to comment that the River was too low for their activity, while those still swimming at the site (and interviewed) were happy with a safer, warmer and quieter setting.

Table 13: Roding - reasons for flow preferences: flow band at time of interview by preference (count)												
Flow band - m ³ /s:	0.1	0.2	0.3	0.4	1.2	1.3	1.8	1.9	2	2.1	n=	
Better for swimming / jumping											208	
Now	15	13	16	8	9	2	6	3		1	73	
Little higher	18	46	13	19	5	5	5	3			114	
Lot higher	7	9	1		4						21	
Safe for children / families											86	
Now	11	23	16	11	8	7	1	2		1	80	
Little higher		2									2	
Little lower					3				1		4	
Cleaner											33	
Little higher	8	9	3	2	1	3					26	
Lot higher	1	4		1	1						7	
Less algae											32	
Now	2				1						3	
Little higher	8	4	5	2	1	1					21	
Lot higher	4	2			2						8	
Looks more attractive / nicer											24	
Now	1	3	2	1		1					8	
Little higher	4	4		1							9	
Lot higher	2	5									7	
Warmer											18	
Now	2	1	3	5		1					12	
Little higher						1					1	
Lot higher	1										1	
Little lower						3					3	
Lot lower									1		1	

3.6 Improvements

Figure 22 and Figure 23 show respondents' preferences for improvements to the river settings. These data are based on a closed question with the options of ordering the three top priorities from the following list:

- More recreation facilities
- Making the river more fish-friendly
- More native riparian or riverside planting
- Improving water quality
- Managing toxic algae
- Managing slippery algae
- Managing sediment inflows to the river
- Improved flood protection works

The latter option was not included in the questionnaire for the Roding River.

Figure 22 and Figure 23 are ordered by the counts for priority 1 and 2 options. Toxic algae and water quality were the top issues for the Maitai River while toxic algae and slippery algae the top two issues for the Roding – although there has been no toxic algae recorded in the Roding.

Table 28 in Appendix 1 lists all the 'other' priority options by river and by survey site. Many relate to particular recreation facility developments.

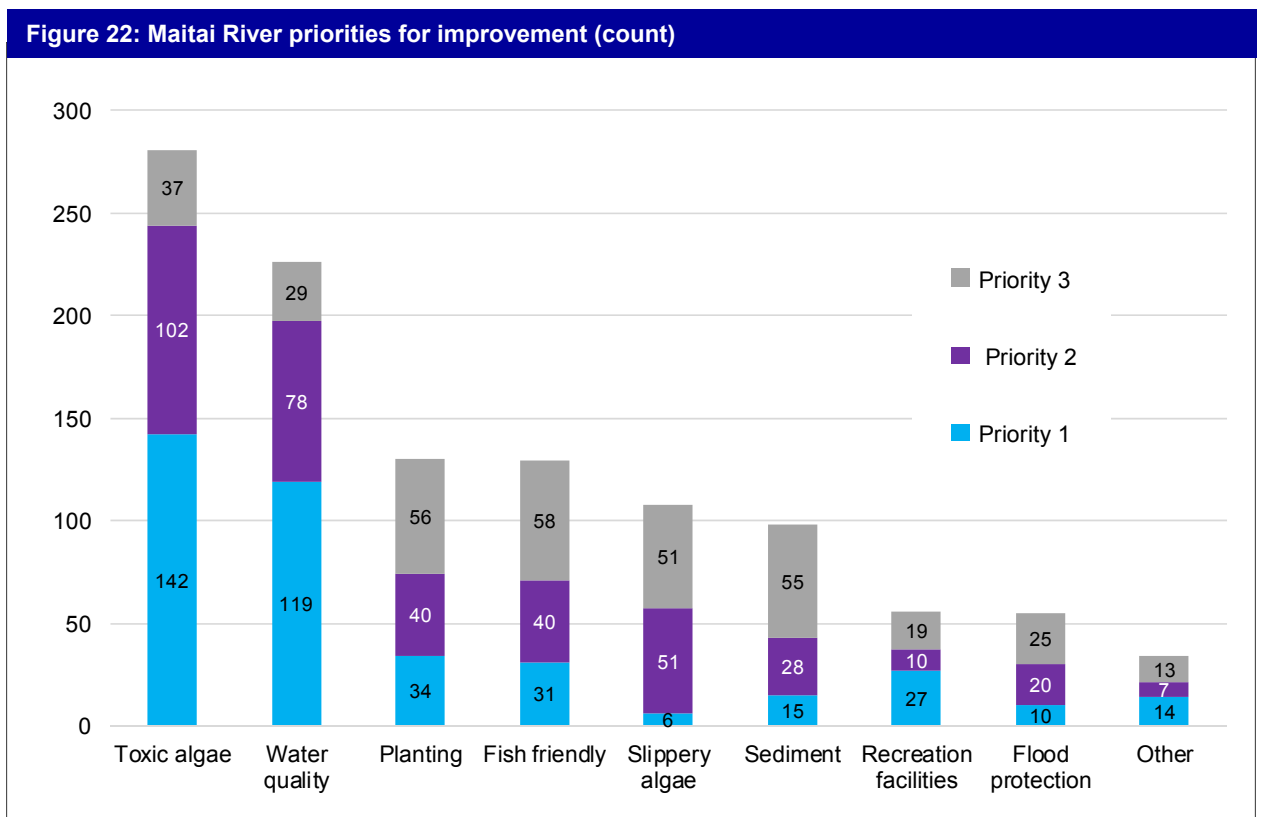
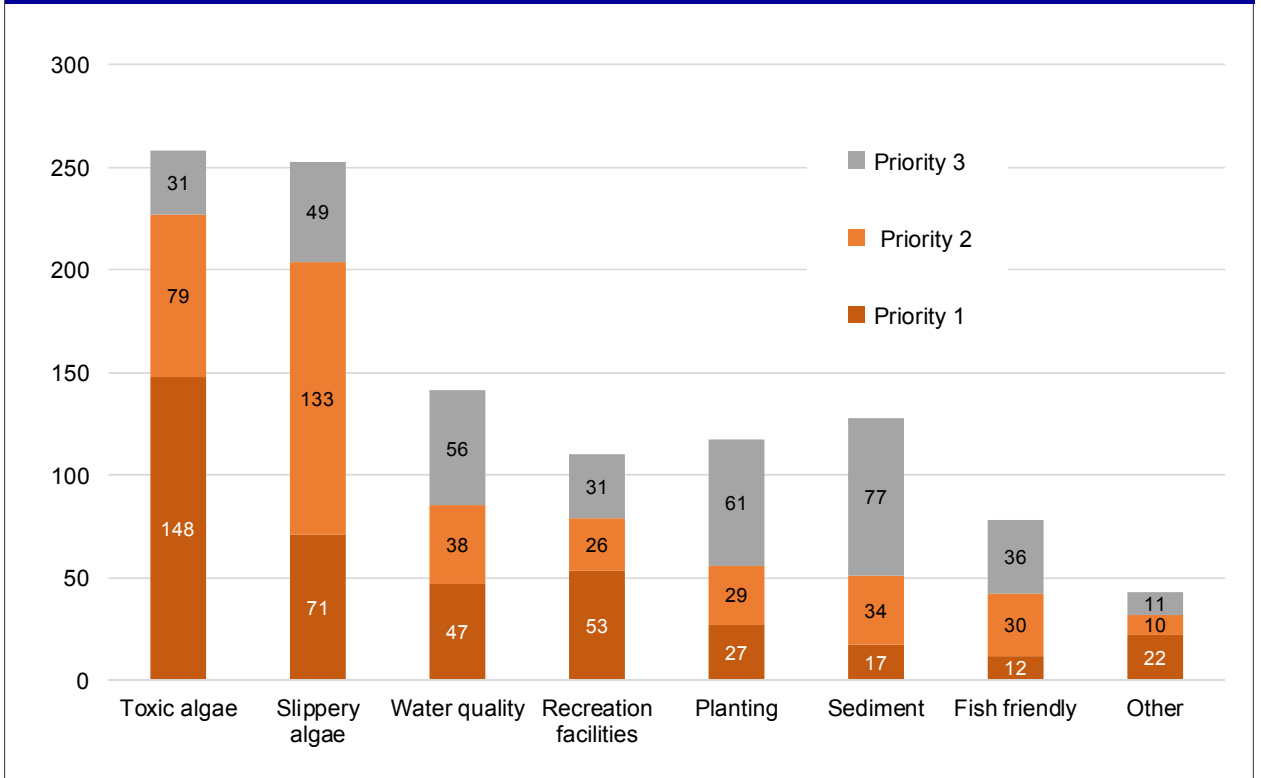


Figure 23: Roding River priorities for improvement (count)

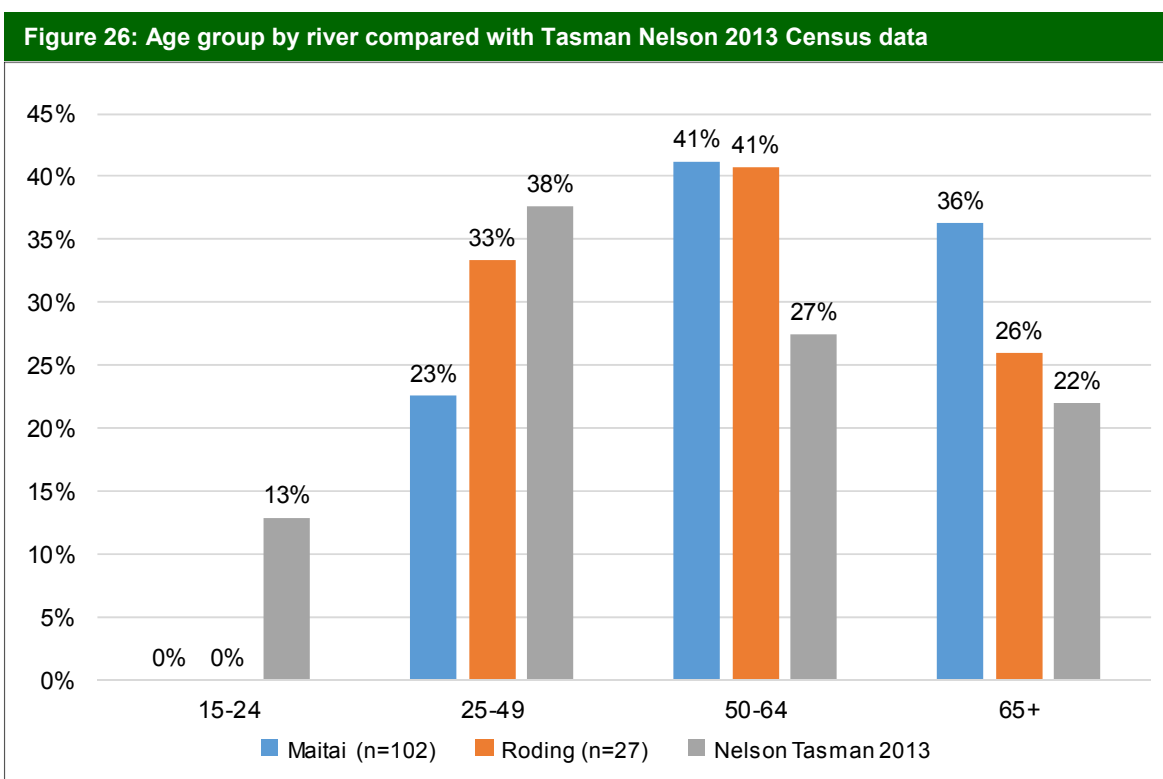


4 Results - River-residents

Self-completion questionnaires were hand-delivered to 229 houses on streets which bordered the Maitai River, addressed to 'The Resident', with 102 returned via prepaid envelopes (45%); and 45 were delivered to houses in the Roding Valley, with 27 returned (60%). Both return rates are quite high, with 30% standard for surveys of this type.

4.1 Demographics

Figure 26 shows the age groups of respondents compared with 2013 Census data for the Nelson and Tasman regions combined. There were no respondents aged under 25. The Roding River tended to have a younger age-profile than the Maitai, with the 50-64 age group well-represented in both.



On the Maitai River, 45% of respondents were male and 56% female (virtually identical to the intercept survey on the Maitai). On the Roding River, 54% were male (49% in the intercept survey) and 44% female (51% in the intercept survey). The regional profile (Tasman and Nelson 2013 Census) is 49% male and 51% female.

The mean number of years respondents had been living by both rivers was 19. However, the distribution is quite different with 17 Maitai respondents having lived by the River for more than 40 years and the maximum duration for the Roding at 39 years. Thirty-five percent of Maitai respondents had lived by the River for less than 10 years compared with 22% of Roding respondents.

4.2 Activities, location and frequency

Table 14 shows all activities undertaken by residents on the rivers. This question was partly closed with a tick-list provided as well as the option to name 'other activities'. The closed list was the top ten activities in Table 14. Respondents' main activities are shown in Table 15, with Maitai residents more likely to walk and Roding residents more likely to swim.

Table 14: All Activities	Maitai (n=418)	Roding (n=145)
Walking	22%	17%
Looking at the water	20%	12%
Swimming	14%	17%
Cycling	11%	10%
Dog walking	10%	9%
Picnics	8%	13%
Playing with children	7%	11%
Kayaking	1%	5%
Eel fishing	1%	1%
Trout fishing	1%	2%
Running	1%	1%
Water supply	<1%	1%
Feeding ducks	<1%	
Fossicking	<1%	1%
Enjoying living in Maitai area	<1%	
Whitebaiting	<1%	
Commuting	<1%	
Dog swimming	<1%	
Golf	<1%	
Flax planting	<1%	
Avoiding hordes of mountain bikes	<1%	
Watching birds	<1%	
Birdlife	<1%	
Weed control activity on river bank	<1%	
Painting	<1%	
Photography	<1%	
Dinghy		1%
Totals	100%	100%

Table 15: Main Activities	Maitai (n=102)	Roding (n=27)
Walking	54%	15%
Dog walking	20%	4%
Swimming	5%	52%
Looking at the water	12%	11%
Cycling	5%	4%
Running	2%	4%
Water supply	1%	4%
Picnics		7%
'All activities'	1%	
Painting	1%	
Totals	100%	100%

Figure 27 and Figure 28 show the locations on the Maitai and Roding Rivers used by respondents, by the main activity of the respondent; with the scale of response indicated by the proportional size of the pie charts.

These figures are unlike those for the intercept survey (Figure 10 and Figure 11): they do not show the frequency of use (a respondent could use site 1 several hundred times a year and site 12 only once, but they show the same in these data); and the data do not show the activity undertaken at each site – only the main activity of the respondent generally. For example, Figure 27 shows that respondents whose main activity was swimming did not use site 1 or site 11. The collection method does not allow for each activity undertaken by each respondent, and its frequency, to be located; this would require a far longer and more detailed questionnaire and would be better suited to an online digital method.

Figure 27: Maitai River activities by sites - scaled

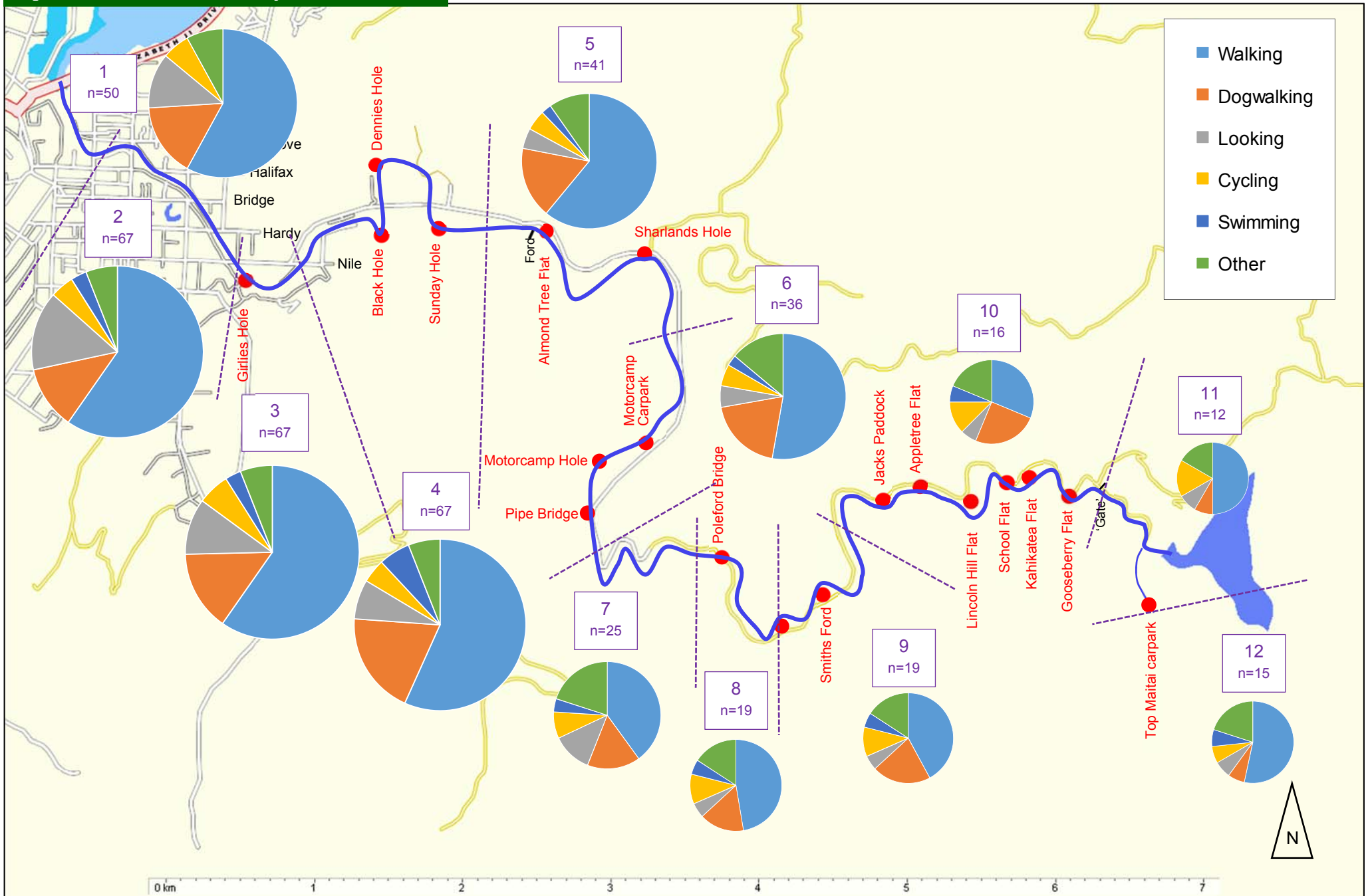


Figure 28: Roding River activities by sites - scaled

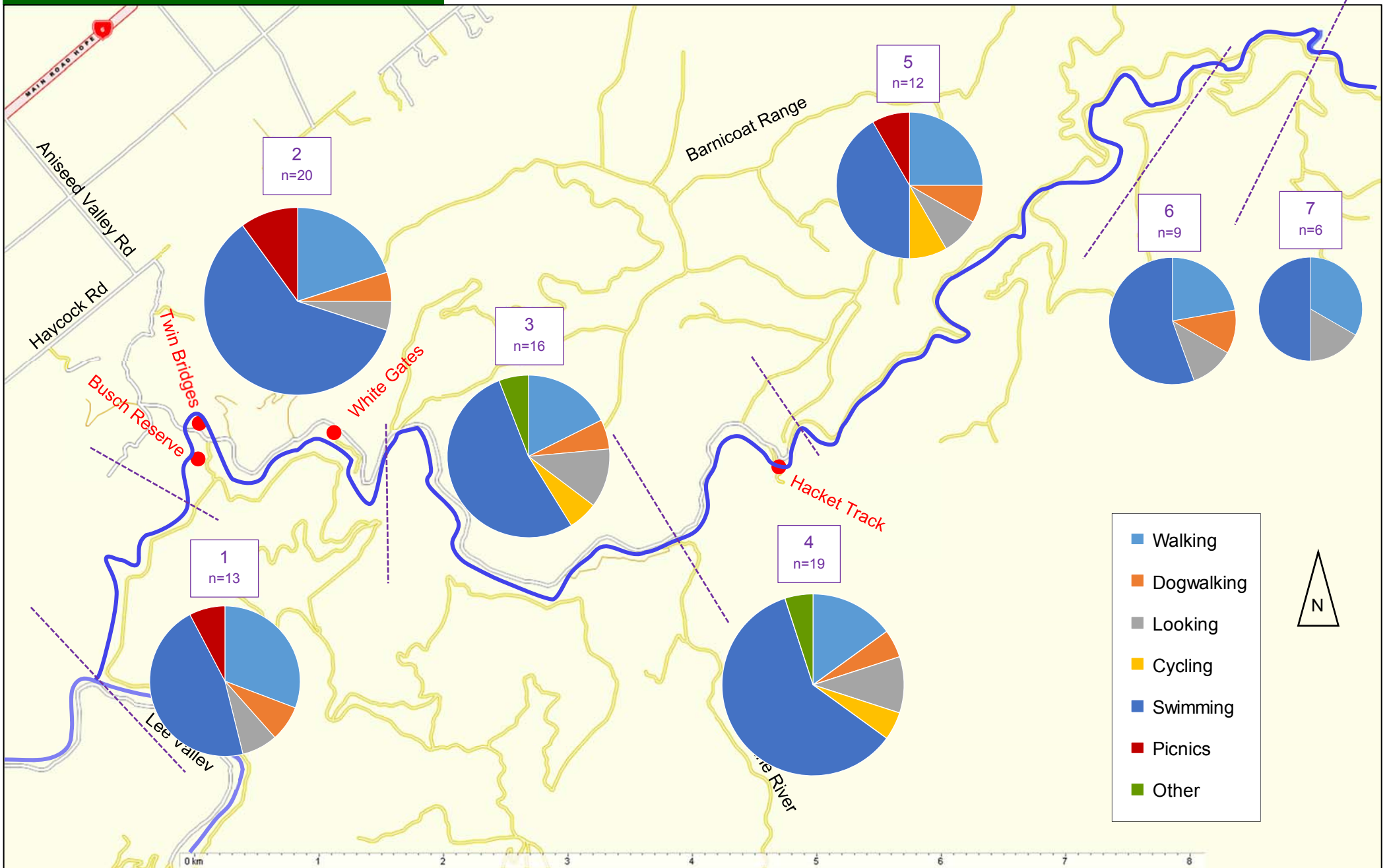
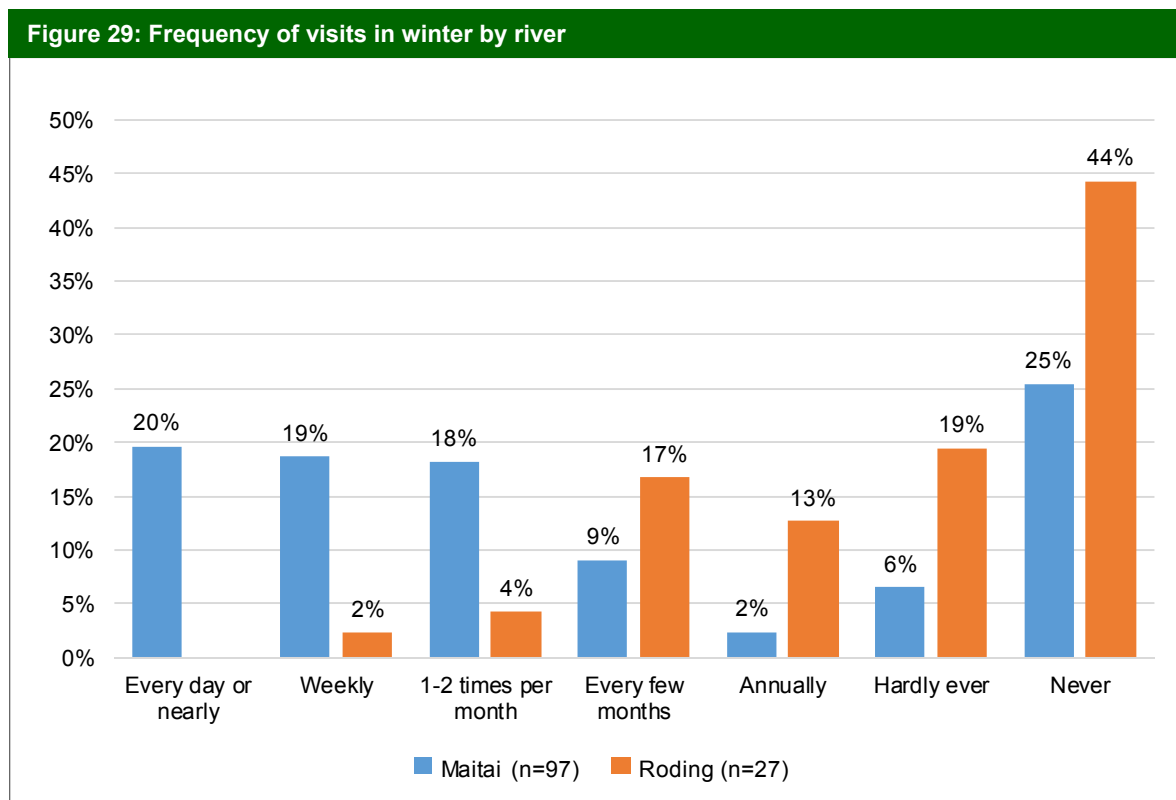
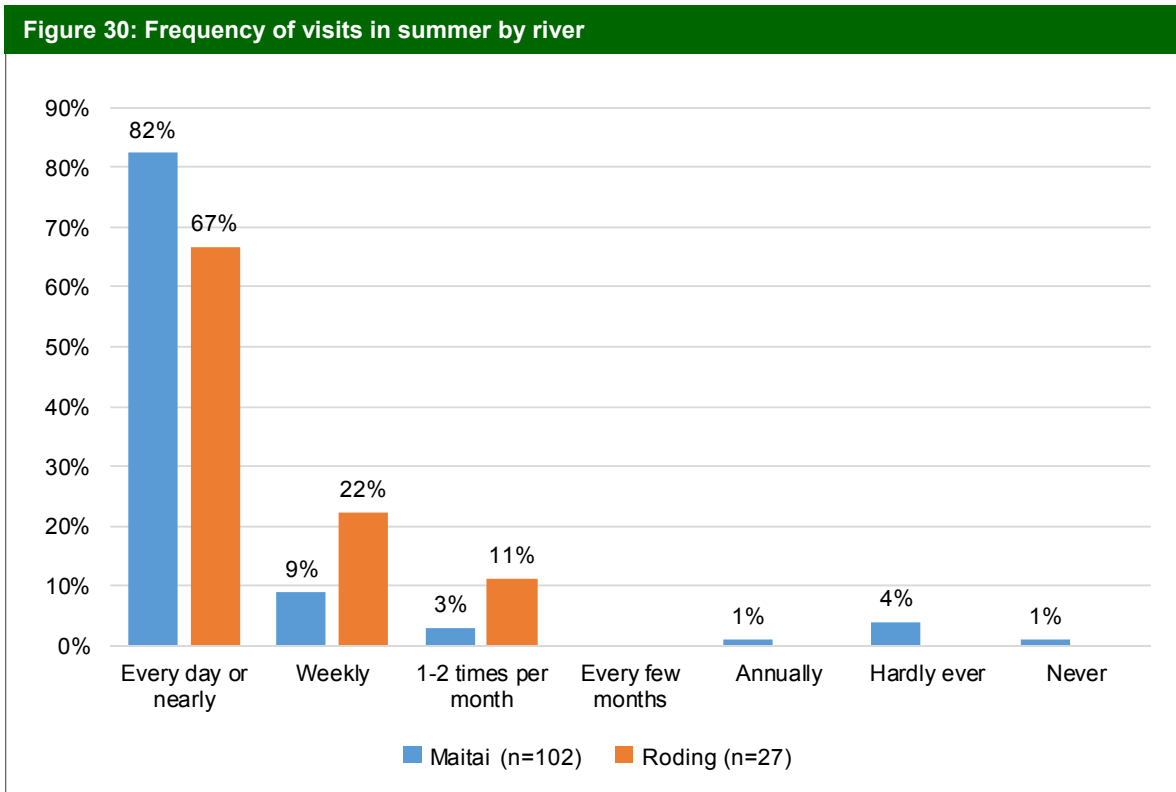


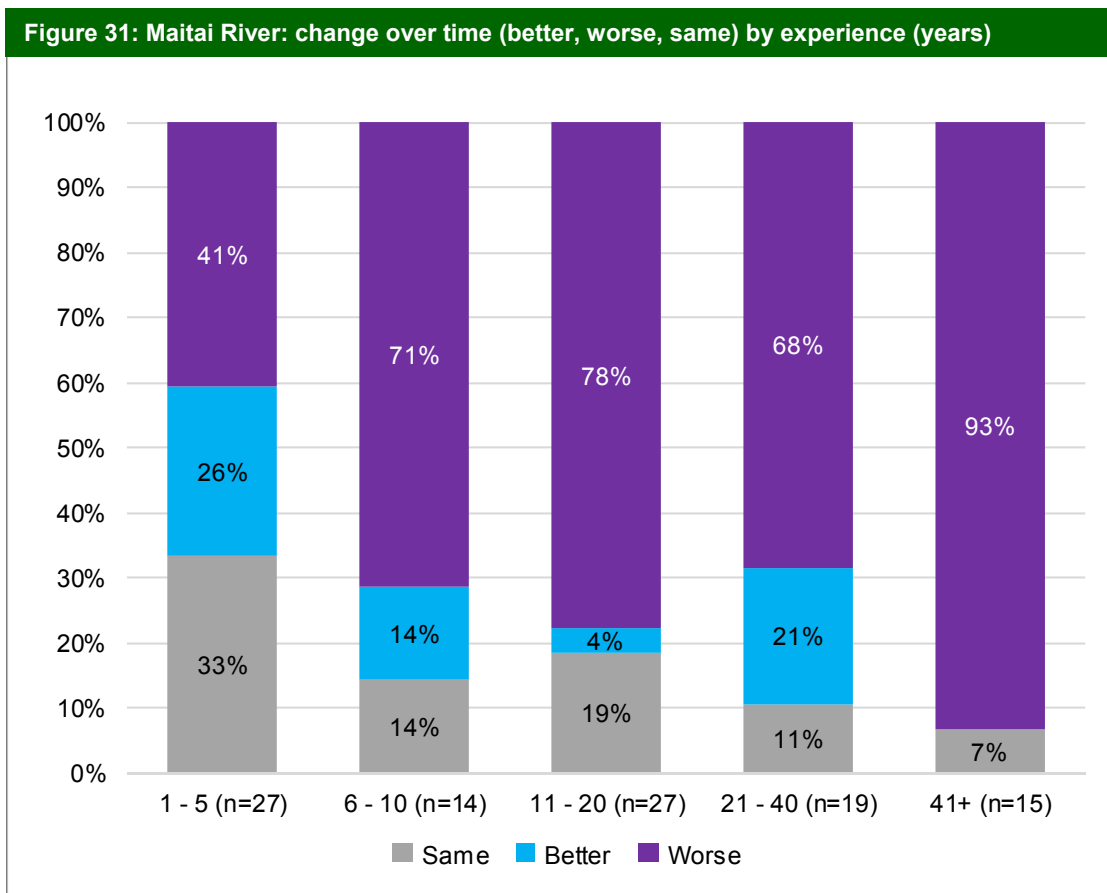
Figure 30 and Figure 29 show frequency of visits by river by season. The Maitai River tends to sustain visits over winter and has a higher level of daily use by respondents in comparison with the Roding River. Several respondents failed to complete this question for winter use.



4.3 Change over time, best and worst aspects

Respondents were asked if, in their opinion, that the rivers had changed for the better, worse or the same during their period living beside it. They were also asked how many years they had been living by each river. No respondent felt they could not comment regardless of their period of experience.

Overall, 14% of all respondents felt the Maitai River was better, 68% felt it was worse and 19% thought it had not changed. Figure 31 shows these data by the period of respondents' experience in years. Those with a shorter period of experience were more likely to think the River had not changed or was better compared with those with longer experience, with those with the longest experience considering it was worse.



For the Roding River, no respondents felt that they had insufficient experience to comment, but two failed to enter their period of residence (shown with a ? in Figure 32). Overall, 4% of all respondents felt the Roding River was better, 78% felt it was worse and 19% thought it had not changed. Figure 32 shows these data by respondents' period of experience in years. Several respondents with the longest period of experience thought the River changed for the better or was the same, but the majority in all groups considered the River was worse than when they first lived nearby.

Figure 32: Roding River: change over time (better, worse, same) by experience (years)

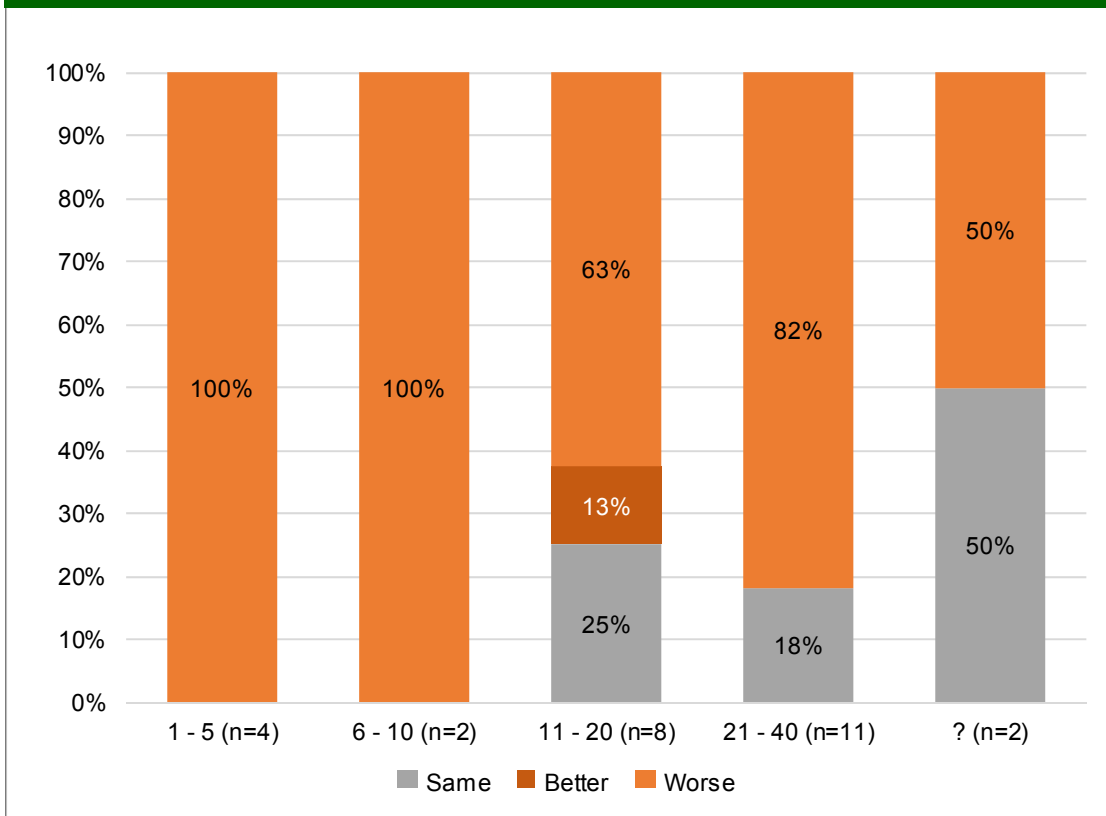


Table 16 shows the main reasons the rivers were considered better than in the past. Improved paths and cycleways, and planting and landscaping, were most frequently cited for the Maitai River. There were only two positive comments for the Roding River. Respondents were able to give multiple answers.

Table 16: Reasons better (count)	Maitai	Roding
Pathways / cycleways upgraded	5	
Planting / landscaping	3	1
Control anti-social behaviour	2	1
Dam impact on river positive	2	
Water cleaner	2	
Improved river flow	2	
Well maintained	2	
More accessible	1	
More scenic	1	

Table 17 shows the main reasons the rivers were considered worse than in the past. Algae and low water levels were cited most frequently for both rivers.

Table 17: Reasons worse (count)	Maitai	Roding
Slime / algae / bloom / growth	41	12
Lower water / flow	23	11
Wildlife decreased	13	3
Water quality deteriorated	13	1
Dirtier	13	1
Pollution / rubbish	8	1
Logging / forestry	3	6
Sediment build up	4	2
Planting / landscaping	6	
Busy / more people	1	4
Maintenance poor	3	1
Swimming holes filled with gravel	4	
Dam impact on river	4	
Cyclists	3	
Anti-social behaviour		3
Flood damage		2
Extremes in water level	1	
Embarrassing for tourists to come - use to be proud of Maitai	1	
Improved access	1	
New water supply infrastructure an ugly balls up	1	
River course changed	1	
Damage up Hacket Track and banks along river		1

Table 18 lists the main 'best aspects' of each river. The accessibility of the Maitai River and its scenic qualities were top picks. For the Roding River, the clean or clear water and swimming opportunities were particular features. Respondents were able to name more than one 'aspect'.

Table 18: Best aspects by river (count)	Maitai	Roding
Accessibility	50	1
Walking / cycling / running tracks	46	2
Beautiful/scenic	35	6
Clean / clear water	17	15
Swimming/swimming holes	12	13
Calm atmosphere / peaceful	20	5
Wildlife	21	4
Trees / bush / reserve	19	5
Natural environment	18	4
River access/setting	19	2
Recreation multi-use asset	11	6
Social setting	9	1
Family friendly	7	
BBQ / picnic areas	4	3
Safe	3	4
Tidal change	6	
Well maintained	5	1
Dog friendly	5	

Table 18: Best aspects by river (count)	Maitai	Roding
Large open space	2	3
Rocks	1	2
Landscaping	2	1
Appreciation	1	
Source of water	1	
Love the taste	1	
Closing of reserves at night over winter tops cars damaging the grass		1
Nostalgia	1	
Water supply	1	
Part of Nelson's geography	1	
Always somewhere to go		1
Rarely dangerous flows	1	
Still flowing	1	
Daily inflow of tide adds interest with sea birds coming in	1	
Good hunting nearby		1
If enough rain	1	
Change during flood events	1	
Use water for domestic purposes		1
Warm water with deep holes for swimming		1
Remind of what whole catchment could be like		1
Little run off		1
Designated reserves control user impacts		1
Needs to be respected	1	
Never goes dry		1
No erosion		1

Table 19 lists the main 'worst aspects' of each river. Water quality and algae were top issues with both rivers.

Table 19: Worst aspects by river (count)	Maitai	Roding
Water quality	30	3
Algae / bloom / growth/slime	20	9
Water level low	15	5
Weeds along river, dead trees, wrong trees planted in reserves	10	8
Can't always swim	11	5
Anti-social behaviour	8	6
Logging / forestry	5	7
Pollution	10	1
Toxic algae / cyanobacteria	11	
Flooding	10	1
Ugly / unattractive / eyesore	9	
Cyclists	9	
Rubbish	7	2
Dirty/sludgy / brown water	7	2
Crowded	1	7
Fewer fish	7	1
Road and vehicles	2	5

Table 19: Worst aspects by river (count)	Maitai	Roding
Dam	5	2
Sediment build-up	4	1
Dog can't swim / die	5	
Dogs / dog poo	3	
Maintenance poor / inadequate	3	
Mosquitos/sandlifes / wasps		2
Time it has taken to finish walkway near library	1	
Swan - shame it was removed	1	
Not safe	1	
Inflows	1	
Hot dry summers		1
Rocks	1	
Riverbed below Trafalgar Bridge	1	
Maitai walkway	1	
Live beside it	1	
Got worse since lived here		1
Following heavy rain banks get eaten way	1	
Affects our property	1	
Temporary ban in section 2 has been in place for 4 years	1	

Just over 1.6 times as many 'best aspects' were named for the Maitai River in comparison with 'worst aspects' (324 best compared with 203 worst); and 1.3 times as many 'best aspects' for the Roding River (89 best compared with 69 worst).

The survey question for best and worst aspects asked respondents to name their 'aspects' and to give a reason why they thought of that aspect. Unlike the intercept questionnaire, the 'reasons' were almost always given and helped explain the 'aspects' considerably, although they were not coded separately.

4.5 Improvements

Figure 33 and Figure 34 show respondents' preferences for improvements to the river settings. These data are based on a closed question with the options of ordering the three top priorities from the following list:

- More recreation facilities
- Making the river more fish-friendly
- More native riparian or riverside planting
- Improving water quality
- Managing toxic algae
- Managing slippery algae
- Managing sediment inflows to the river
- Improved flood protection works

The latter option was not included in the questionnaire for the Roding River.

Figure 33 and Figure 34 are ordered by the counts for priority 1 and 2 options. Water quality and toxic algae were the top issues for both rivers – although there has been no toxic algae recorded in the Roding.

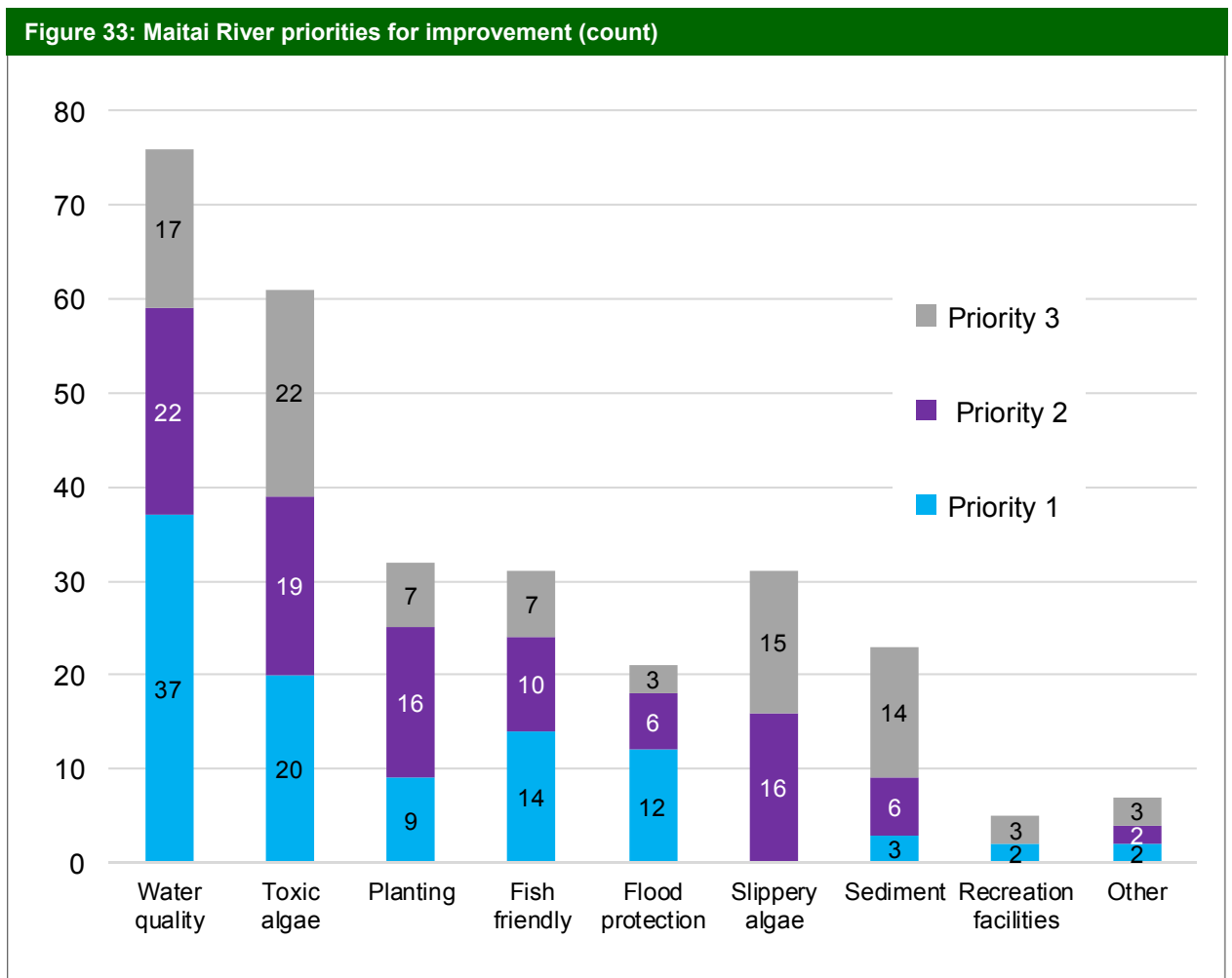
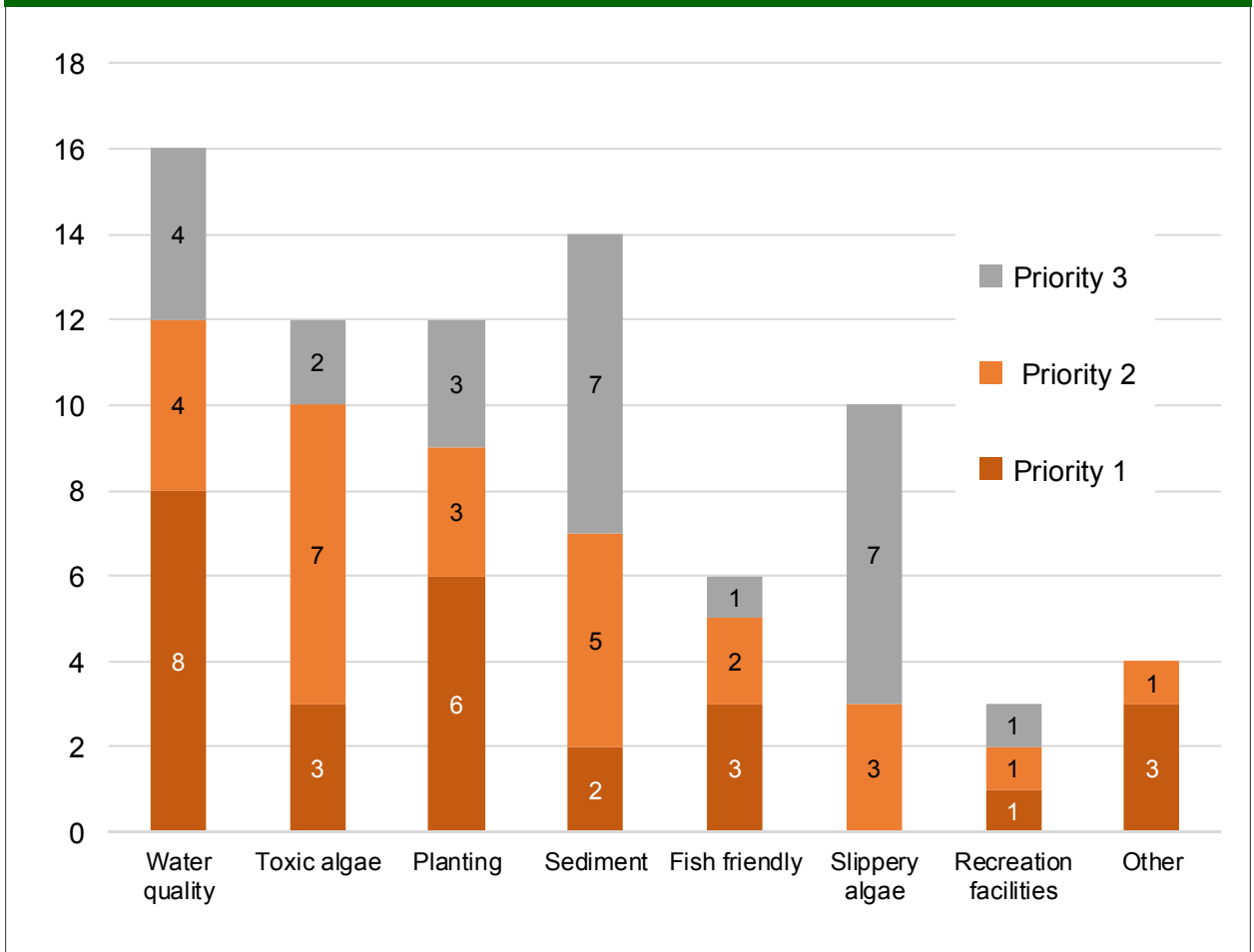


Figure 34: Roding River priorities for improvement (count)



'Other' priorities for the Maitai River were:

- Improve run-off protection and improve public access
- Improved flow
- Increase flow from dam in summer
- Keeping banks mown so river is visible at all time
- Managing river banks, grass, trees
- Monitor / control forestry practices
- More seating along walks
- Signs to show how deep the river is

'Other' priorities for the Roding River were:

- Keeping an eye on cleanliness eg. Chemical run-off
- Manage minimum flow rates at dam
- More water flow in summer
- Weed control on river bank

4.6 Final comments

Many additional comments were given, most of which were positive and many of which were long and specific. As a result, a word cloud does not provide any indication of key themes, and comments are listed in Table 30 and Table 31 in Appendix 1. Some comments were very long and were provided directly to the NCC to review.

Appendix 1: Full data tables

All tables in this section besides the final two (Table 30 and Table 31) are for the intercept survey.

Table 20: Origin by river (count)	Maitai	Roding
Aniseed Valley		5
Annesbrook	3	5
Appleby		1
Atawhai	27	11
Auckland	3	2
Australia	5	8
Bishopdale	8	1
Blenheim		1
Brightwater	4	7
Cable Bay	1	
Canterbury	14	31
Dovedale		1
Enner Glynn	4	4
Europe	11	9
Golden Bay	1	
Hira	3	
Hope		10
Hori Bay		1
Kina Beach		1
Maitai	10	5
Mapua	2	
Marina	4	1
Marlborough	1	
Monaco		1
Motueka		6
Motupiko		1
Murchison	1	
Nelson Central	138	19
Nelson South	7	16
North America	14	
Otago	5	1
Other North Island	5	3
Other South Island	1	1
Pacific Islands		2
Port Hills	15	7
Rai Valley		1
Redwood Valley		2
Richmond	8	109
Ruby bay		2
Stoke	21	72

Table 20: Origin by river (count)	Maitai	Roding
Tahunanui	9	15
Tasman		1
The Brook	24	6
The Glen	2	1
The Wood	22	5
Todd Valley	2	
UK	16	
Victory	12	12
Wakapuaka	3	1
Wakefield	1	6
Washington Valley	3	5
Wellington	6	3
West Coast	2	1
Totals	418	403

Table 21: All activities (count)	Maitai	Roding
Swimming	261	394
Picnicking	117	365
Walking	256	61
Mountain biking	107	27
Dog walking/swim	69	57
Sport	13	56
Relaxing	33	33
Jump into water		62
Running	36	6
Sightseeing/scenery	20	14
Socialising	8	22
Kayaking	18	12
Playing	14	15
Snorkelling		22
Rafting	8	14
Sunbathing	5	10
Photography	5	6
Skimming rocks	2	7
Rope swing		9
Golf	8	
Fishing	6	1
Feeding ducks	5	1
Eeling	1	4
Cycling road	2	1
Birdwatching	1	2
Hunting	1	2
Café	2	1
Commuting	3	

Table 21: All activities (count)	Maitai	Roding
Whitebaiting	3	
Collecting plants/stones	1	2
Food gathering	1	1
Motorbiking	1	1
Model work	1	
Body boarding on rapids		1
Painting	1	
Pest eradication	1	
Dig holes		1
Quad biking		1
Volunteer - collect rubbish & chase boy racers away		1
Exercise	1	
Waiting for lorry to take skip away after party	1	
Firewood gathering	1	
Geocaching		1
Planting	1	
4WD up top of Roding		1
Skids		1
Waka ama	1	
Hot rock massage		1
Washing		1
School Trip	1	
Science	1	
Arboretum	1	
Totals	1018	1217

Table 22: Reasons better (count)	Maitai	Roding
Paths and tracks better / wider / better maintained	46	
Amenities / facilities improved	24	20
Cleaner / clearer water	11	9
Deeper / more water	3	12
Well maintained / looked after	12	
Less algae/slime	8	3
Access better	8	2
Tidier / Cleaned up a bit	10	
Swimming better	3	4
Landscaping	7	
Trees / planting	7	
User friendly	5	1
Fewer people	1	4
Art/sculpture	5	
Getting better all the time	3	1
Warmer water		3
River changed / different	1	2

Table 22: Reasons better (count)	Maitai	Roding
Water quality deteriorated	3	
No sand-flies	1	1
Bridge safer to go under	2	
Opened up more	2	
Better sharing with cyclists	2	
Pretty / looks nicer	2	
Busch Reserve is better		2
Signage improved	2	
Toilets renovated / nicer	2	
Grassed area		2
Blocked Brandford Park from boy racers	2	
Well maintained / looked after	2	
Pine trees gone	1	
Finer gravel to sit on		1
Sewerage taken out	1	
Good for dogs	1	
Enhanced environment	1	
Graded the road	1	
Fewer fish / eels / trout	1	
Cricket grounds	1	
Steps into river	1	
Great jetty	1	
Flow controlled so don't have extreme high and low	1	
Grew up swimming in Appleby river		1
Enhanced river	1	
Improved by bridge	1	
Feels safer	1	
Improved edges of track	1	
River looks better	1	
Keep it mowed	1	
Cleared up after storm damage on tracks	1	
Cycleways	1	
Surroundings have improved.		1
Better than Lee Valley at moment		1
This summer good for this part of river	1	
Toxic algal blooms	1	
Not over grassed	1	
Cyclists menacing / rude	1	
Parking area sealed	1	
Dam is established	1	
Picnic areas nicer	1	
Dam might have reduced slimy-ness	1	
Plenty of room for everyone	1	
Black hole better for swimming	1	
Reserve is better		1

Table 22: Reasons better (count)	Maitai	Roding
Better lighting	1	
River has changed flow		1
Width of vegetation better	1	
Riverside residential area is worse - parking, dust and path is bad	1	
Dog friendly	1	
Shared pathway	1	
Mountainbike tracks improved	1	
Spraying done	1	
New decking / wood bridges	1	
Surface is good	1	
New swimming holes		1
Swim depends on year and how storms wash it out.		1
No carpark	1	
Taking down trees	1	
No debris in river		1
Cleaned out the trees and made more open	1	
Dun Mountain trail improved	1	
Concrete place for jumpers into water		1
Not changed much	1	
Looks nicer / pretty	1	
Very under-developed when left in 1969	1	
More connected	1	
Water holes	1	
More developed	1	
Well maintained / looked after	1	
More information provided	1	
Well maintained / looked after	1	
More parking	1	
Whole environment / reserve		1
More reserves now		1
Wood bollards at Branford Park	1	
More shade	1	
More space	1	

Table 23: Reasons worse (count)	Maitai	Roding
Algae / bloom growth	40	41
Lower water / flow	24	30
Dirtier water	16	7
Water quality deteriorated	17	2
Rubbish	3	2
Didymo / rock snot	3	2
Pollution	5	
Too many people	1	3
Fewer fish / eels / trout	4	

Table 23: Reasons worse (count)	Maitai	Roding
Toxic algal blooms	3	
Weeds	1	1
Cleaner / clearer water	2	
Forestry / deforestation	1	1
Deeper / more water	1	1
Grassed area	2	
Cyclists menacing / rude	2	
Loss of swimming holes	2	
Effects of floods	1	1
Dam	2	
Paths and tracks better / wider / better maintained	2	
Moss	1	1
Scummy	1	
Water colder		1
Surroundings have improved.	1	
Friends of Maitai is good	1	
Pollution in river	1	
Depth fluctuates	1	
Smells	1	
Hear that have closed the water holes - though not personally experienced this	1	
Used to be able to drink out of river	1	
It is not looked after well enough	1	
Can't jump off both sides of bridge anymore.		1
It used to look better	1	
River looks worse	1	
Landscaping	1	
Slime is weather dependent - not as bad as last year	1	
Less flat space		1
Some erosion of bank	1	
Look of river worse	1	
Too many people have dogs that can't pig hunt		1
Looks nicer / pretty	1	
Used to be big swimming hole here	1	
Can't take dogs because of toxic algae	1	
BUT grounds are tidier	1	
Amenities / facilities improved		1
Dogs in river	1	
Maintenance of tracks declined	1	
Pools used to be deeper	1	
More pines planted, which means logging, which means erosion	1	
Ecology		1
White Gates has slime on access rocks		1
Sign saying contaminated since 2003	1	
Worse for families - wooden barriers prevent use	1	

Table 23: Reasons worse (count)	Maitai	Roding
Slips on DOC track to Whispering Falls		1
Zone 2 used to be deeper and trees are gone		1
Some dumping of household rubbish	1	
Access better	1	
Stuff in the water		1
No ducklings	1	
Bank is steeper		1
Not as many swimming holes.		1
Every time the river course changes. Have to find deep holes		1
Not as nice as use to be though improved this year	1	
Used to be bad slime but think river is recovering	1	
Not as pristine		1
Walking and cycling is fine	1	
Not great for swimming	1	
Water is high, discoloured and colder		1
Parts where used to sit are now swimming holes	1	
flood effects	1	
Dog poo	1	
Picnic areas from Nile Street to Black Hole damage	1	
Wouldn't swim now but used to	1	
NCC trying to squeeze dog walkers out of area	1	
Needs flood to keep clean	1	
No beach	1	

Table 24: Best aspects (count)	Maitai	Roding
Swimming/swimming hole	68	108
Calm atmosphere / peaceful	115	42
Clear / clean water	43	106
Close to town / accessible	102	39
Beautiful / nice view/scenic	74	41
Walking / cycling / running tracks	96	7
Trees / bush	74	14
Dog walking / friendly/swimming	41	31
Family friendly	25	42
Few people	17	44
River	38	15
Deep pool / hole	2	50
Natural surroundings	41	10
Large open space	11	38
Jump off rocks / bridge	5	43
Safe	11	36
Shade	10	32
Wildlife	33	9
BBQ		41

Table 24: Best aspects (count)	Maitai	Roding
Picnic area	6	31
Grass / green	21	13
Social setting	18	13
Changing facilities / toilets	8	22
Facilities	13	13
Easy access to river	1	22
Car parking	6	15
Warm water	1	18
Well maintained	9	8
Lots of activities to do / multi-use	7	7
Sunny	3	9
Rope swing	2	5
Landscaping	5	2
Beach		6
Variety of depths	1	5
Shallow water for kids	1	4
Free	2	3
No rubbish	2	3
High tide	4	
Current not too strong		4
Fresh air	2	1
Toilets		3
Dam interesting	2	
Not polluted	1	1
Rubbish bins		2
Varied scenery / terrain	1	1
Changes with tide	2	
No algae/slime		2
Country	1	1
Rapids	1	1
Art and sculpture	2	
No sand		2
No traffic	2	
Sharlands	1	
Road sealed	1	
Tidal area	1	
Near to water	1	
Sandflies not so bad this year		1
Good wood, nearby for fire		1
Little traffic	1	
No commercialism	1	
My name is Busch		1
No gum trees	1	
Golf course well integrated	1	
No mozzies yet		1

Table 24: Best aspects (count)	Maitai	Roding
Cellphone reception		1
Close to hills	1	
Signage	1	
No rules and regulations		1
Good place to show visitors	1	
Great spot		1
Enough room to share with cyclists	1	
Experienced people input to design	1	
Keeps rough elements away	1	
Breeze	1	
General layout of river		1
Café	1	
Difficult terrain	1	
Not over developed	1	
Sandy beach	1	
Forestry tracks	1	
Like the lit up bridge	1	
Not salty		1
Shelter		1
Not too rocky		1
Small rocks		1
Nothing to eat me		1
Stones		1
Only river I swim in		1
Enough flat places to sit		1
Historic	1	
Waterfalls	1	
Playground	1	
Good weather	1	
Plenty of places to get to river		1
Cyclists considerate	1	
Comfortable lying on stones		1
Watching people jump off the bridge		1
No traffic		1
Not as many dogs as Hacket		1
Meandering	1	
Access to wharf	1	
More lighting in town	1	

Table 25: Worst aspects (count)	Maitai	Roding
Mosquitos/sandflies / wasps etc	30	72
Dogs / poo	22	41
Litter / rubbish	25	36
Algae / bloom	37	21
Slipperiness/slime	11	31
Crowded (at times)	11	26
Toxic algae / cyanobacteria	34	
Boy racers / hoons / damage / anti-social behaviour	11	20
Water level low	17	10
Amenities and facilities lacking	7	18
Access to water	3	22
Cyclists - too fast / intimidating / rude / boisterous / on narrow sections	24	
Toilets	1	21
Water quality	19	1
Dirty water/sludge / gunk / brown stuff in river	12	7
Stones / rocks sharp	1	17
Pollution	12	
Gorse / broom / weeds	4	8
Drive in on road	1	10
Signage needed	6	3
Cold water	2	6
Not enough shade	4	4
Forestry / pine trees / deforestation	5	2
Didymo	2	5
Sun goes too early	1	5
Rubbish bins needed	4	1
Gate closing times		5
Seagulls	4	
Less / no fish	2	2
Forestry / pine trees / deforestation	3	1
Dogs can't swim / controls too strict / can't come	4	
Cyclists - too fast / intimidating / rude / boisterous / on narrow sections/separate track	4	
Track to water / paths	2	2
Spraying	3	
Traffic / road noise	3	
Eels		2
Prickles in grass		2
Tide out	2	
Cars parking / too fast	1	1
Bank eroded/steep		2
Lack of shade		2
Swimming holes too shallow	1	1

Table 25: Worst aspects (count)	Maitai	Roding
Moss is slippery	1	1
Not disabled friendly to get down to water		2
Not enough swimming holes	1	1
Gravel build up at Black Hole	1	
Rapids		1
Pity no sunbathing reserved area	1	
High tide and heavy blocks off footpath under Collingwood St bridge	1	
Grass / green		1
Lack of consistency in cleanliness of river	1	
Too far from home		1
Lack of private picnic spots close to river		1
Potential for accident on bridge to highway	1	
Cows on riverbank		1
Run and jump is dangerous		1
Lee has better swimming holes		1
Smell	1	
Change in water depth		1
The Maitai is paru (dirty stink)		1
Can't camp here	1	
Overall degradation	1	
Little kids pee in water		1
Cicadas	1	
Long grass on side	1	
Quiet		1
Looks awful at low tide	1	
Roads too manicured		1
Lot less people on it	1	
Saltwater river could be cleaned up	1	
More native plantings. Across the river is dreadful to look at - farmer needs to do something		1
Broken up main roads	1	
Bright walkway	1	
Some people are funny about dogs		1
Bad smell	1	
Surveys		1
Native trees washed out in the Hacket Valley		1
Embankment maintenance	1	
Trim river edge	1	
Too narrow near library	1	
Dead animal nearby. Can smell it		1
Parking		1
Wish there were more birds	1	
Pollen from trees kills fish	1	
Buildings eyesore eg. NZ Pipe Band	1	
Pot holes on Busch Reserve		1

Table 25: Worst aspects (count)		Maitai	Roding
Dead fish last time we were here			1
Cellphone reception			1
No drinking water at Hacket (long tramp)			1
Rail along river needed for kids	1		
No internet / post	1		
River a bit muddy from number of users	1		
No trout			1
Clean up side stream under road	1		
Not a good jumping spot			1
Run off with nothing to filter	1		
Not a proper surface on path (glare)	1		
Saw a rat	1		
Not as dirty as in past summers	1		
Clock tower needs painting	1		
Gateway to Twin Bridges hard to manoeuvre with a campervan			1
Slop that balls go down and children follow ball, close to river. Dangerous			1
Not enough native trees			1
So far away from Tasman			1
Not enough rope swings			1
Drowning here 7 years ago in back of mind	1		
Cheeky birds			1
Effect of sunscreen on aquatic life / film on water surface	1		
Flooding	1		
Grove Street footpath	1		
Not finished	1		
Gum trees	1		
Obnoxious fishermen	1		
Too deep			1
Only deep in one area			1
Too far from house			1
Outlook to left isn't nice - needs more trees or development	1		
Hard to find spot on back to watch kids - due to erosion	1		
Outside our house (Riverside)	1		
Carpark			1
Tree stump			1
Burnt tree			1
No bike jumps into river			1
Need more shade trees			1
Wind			1
Needs more access to get dogs in and out of water	1		
Needs steps to get to water			1
No bays to pull over when driving			1

Table 26: Modification: Maitai River (count)	1	2	3	4	5	6	Total
Heavily modified	15	13	1	10	3	6	48
Partially modified	13	45	5	44	16	19	142
Moderately natural	10	44	19	57	14	21	165
Highly natural	1	6	3	30	6	3	49
Untouched						1	1

Table 27: Modification: Roding River (count)	Busch	Twin	White	3	Hacket	Total
Heavily modified	1		1		4	6
Partially modified	22	14	8		15	59
Moderately natural	60	64	33	5	32	194
Highly natural	32	38	14	5	15	104
Untouched	13	12	9	1	3	38

Table 28: Other options (count)	Maitai River								Roding River				
	Site	1	2	3	4	5	6	11	BR	TB	3	WG	HT
Access to water from car park for oldies										1			
Allow overnight camping, open fireplace									1				
Another toilet / changing room closer to river									1				
Area by Bridge St needs work		1											
BBQ as in Aniseed Valley				1									
BBQ queue now									1				
BBQ											1	1	
Benches	1												
Better access to river. Toilets clean. More rubbish bins									1				
Better access at White Gates. You have to fight the grass and gorse									1				
Better changing rooms and improved toilet facilities				1									
Better signage						1							
Better step access to river for elderly										1			
Better toilet										2		1	
Better toilet like Busch reserve, rope swing, more picnic tables, hot spa												1	
Bigger and more frequently emptied rubbish									1				
Can't improve on nature - do it naturally		1											
Changing room please												1	
Clean BBQ more often and check gas									1				
Cleanliness of toilets. Rubbish bins. BBQ									1				
Control of dogs. Keep it peaceful. No boy racers										1			
Digging rapids deeper									1				
Diving board at White Gates												1	
Dog poo dispensers									1				
Don't change it									1				
Don't let dogs in river				1									

Table 28: Other options (count)	Maitai River								Roding River				
	Site	1	2	3	4	5	6	11	BR	TB	3	WG	HT
Drinking fountain, like Tahuna and tap by BBQ									1				
Extra BBQ & picnic table										1			
Fence off cows											1		
Fix clock tower	1												
Fully fenced dog exercise area				1									
Gas BBQ. Signage about BBQs												1	
General upkeep / litter		1											
Get rid of algae									1				
Get rid of gorse									2				
Gorse control									1				
High river flow											1		
Improve access to river for wading - but accept importance of maintaining bank to stop flooding		1											
Invasive species management						1							
Keep 1080 out										1			
Keep livestock out													1
leave it as it is													1
Leave the river alone - it doesn't need to be managed					1								
Litter										1			
Maintain it as it is		1											
Maintain water quality										1		1	
Manage old man's beard and broom please										1			
Manage water quality										1			
Managing chemical residue and toxin infiltration				1									
More access steps										1			
More basic shelters like Chch parks. More access to river in area 3										1			
More BBQs									1			1	
More BBQs & toilets									1				
More BBQs and seating									1				
More BBQs, playground for toddlers (aged 2 - 6)									1				
More BBQs, swing set, cricket, upgrade tracks to water									1				
More BBQs. Closer toilets									1				
More flow													1
More frequent Sunday emptying of rubbish bins. Bigger rubbish bins in peak season									1				
More gas BBQ. Safer road entrances (corners)												1	
More gas BBQs												1	
More jumping spots (into river)												1	
More parking				1									
More picnic tables									2				
More picnic tables in shade										1			
More picnic tables, rubbish bins and shady area									1				
More rope swings for grandchild										1			
More ropes and slides												1	

Table 28: Other options (count)	Maitai River								Roding River				
	Site	1	2	3	4	5	6	11	BR	TB	3	WG	HT
More rubbish bins please									1				
More shade				1					1				
More shade trees									1				
More toilets									1				
More toilets and cleaner toilets, changing room, rubbish bins												1	
More toilets spread out in White Gates												1	
More toilets that work										1			
Nicer toilets please										1			
Pests (possums)			1										
Picnic seats													1
Picnic tables													1
Pine trees should be more than 50 m from river													1
Plant shade trees and have senior friendly seats	1												
Playground									1	1		1	
Playground, flying fox										1			
Prohibit agricultural runoff											1		
Remove exotic poplar trees										1			
Remove fallen willows in river please										1			
Remove rubbish & glass in reserve												1	
Remove willows on riverside													1
Rope swing please													1
Rope swing, better toilet												1	
Rope swing, ladder, ice-creams. Fairy lights in trees would be lovely													1
Rubbish bin close to picnic table at White Gates												1	
Rubbish bins	1	1					1				1		
Safe for dogs										1			
Sand-flies						1							
Shade planting					1								
Signage													1
Signage to make cyclists give way / dogs on leash				1									
skid pads										1			
Steps and pathway for kids and older people										1			
Steps to beach										2			
Steps to get from water to bridge													1
Steps to river could be improved. More seats									1				
Steps up bank									1				
Stock access to river									1				
Sunbathing platform	1												
Supply drinking water												1	
Toilets				1		2	1					1	1
Toilets and bins on Maitai path		1											
Toilets need overhaul									1				
Trail improvements to Whispering Falls													1

Table 28: Other options (count)		Maitai River							Roding River				
	Site	1	2	3	4	5	6	11	BR	TB	3	WG	HT
Walkway down, access to river													1
Water heaters									1				
Totals		5	7	1	9	2	6	1	36	26	4	20	15

Table 29: Other comments (count)		Maitai River										Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
A composting toilet would be great, especially with young kids						1										
A good place													1			
A lovely walk	1															
A weir beneficial		1														
Access to river is difficult at Sunday Hole				1												
Access to Sunday Hole too steep for infirm people						1										
Accessible clean water for swimming						1										
Aesthetically pleasing	1															
Algae a problem					1											
Algae is main problem						1										
All BBQ and other facilities are good down river					1											
All good					1			1	1							
All good - happy to have place to tramp						1										
All good and can still do what we want to do here						1										
All good apart from occasional idiot										1						
Allow self-contained motorhomes. As Tasman ratepayers, our view is that the ban on self-contained vehicles parking overnight in all council reserves could be regarded as a blanket ban and violate freedom camping act 2011.												1				
Always seems to be well managed - no evidence of litter												1				
Amazing asset					1											
Amazing that have natural amenities so close to city				1												
Appreciate the involvement and taking responsibility for the river		1														
Area has lot of potential		1														
As a ratepayer - can't sink lots of money into it						1										
Ask TDC why no overnight camping, specifically self-contained campervans. Please answer direct to Guy 0274315287												1				
At picnic spots have BBQs								1								
At Sharlands Creek a definite access point into river - BB and tables					1											
Away from town				1												
BBQ				1	1											
BBQ and cooking facilities				1												
BBQ at Sunday Hole				1												
BBQ tables like at Sunday Hole				1												
BBQ would be nice				1												

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
BBQs				1												
Beautiful	1				1											
Beautiful				1												
Beautiful amenity in heart of city		1														
Beautiful job on walkway but doesn't flow through		1														
Beautiful views						1										
Beauty is that it is so natural				1												
Better access for infirm people				1												
Better flow would keep river cleaner					1											
Better management 0 rules to stop crazy people								1								
Better maps for mountain biking out-of-towners							1									
Blessed by having dam structure on the Brook							1									
Bloody neat place							1									
Brilliant			1													
Brilliant resource	1															
Brings people to the area	1															
Brook logs in river by roundabout at Tasman Street							1									
Bumpy section on path towards Nile Street - rocky and dangerous for cyclists				1												
Busch reserve needs more access points to get to river											1					
By golf course on road needs a marker so water on road is measured				1												
Can combine with supermarket shopping		1														
Can't swim in middle of town				1												
Couldn't get past gate at Easter											1					
Certified campervan allowed please. 1 or 2 nights in a calendar month											1					
Change concrete table to wooden ones				1												
Clean					1											
Clean water					1											
Come here as it's safe to bring dog and other swimmers. Quite user friendly as is												1				
Come here mostly because of convenience BUT Aniseed has deeper swimming holes					1											
Come to Hacket because can't swim in Maitai. Open up Maitai dam, flush river															1	
Concerned about potential fatality at run and jump												1				
Confusion over name - Roding River and Aniseed Valley											1					
Could BBQ table at top car park be replaced										1						
Could be more dog friendly - more places we can swim - only black hole							1									
Could dam be opened during algae periods to clean it out				1												
Could work more closely with landowners to manage erosion etc				1												
Council does great job looking after Nelson				1												
Council doing a good job maintaining this part of river		1														

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Council is doing a great job												1				
Council maintains well				1												
Council needs to be more actively involved with the Maitai. Volunteers should not have to step in		1														
Council please put in a rock retaining wall and steps to Sunday Hole				1												
Council should just do infrastructure and let community control				1												
Creative seating		1														
Cut long grass by river as can't see river and looks disgusting	1															
Cyclists are a pain to walk with				1												
Dam is mixed blessing and people forget that had water restrictions before dam					1											
Dam looks natural									1							
Deal with algae					1											
Delighted can swim in river again				1												
Delightful spot for visitors to have picnic - especially with benches and lack of rubbish		1														
Developed enough, doesn't need any more				1												
Didn't realise there was a BBQ here. Signage might help.												1				
Dig out swimming holes		1														
Disabled toilet at Twin Bridges is odd. Disabled women have to go past urinal in the men's toilet. Terrible design											1					
Disappointed in the time taken to complete works done in section one		1														
Disgusted with Maitai since I was a kid															1	
Do a pretty good job of keeping it a good spot for summer use				1												
DOC A poo bag dispenser would be excellent															1	
DOC Browning Hut has mice												1				
DOC Glass bottles up the Hacket											1					
DOC Hacket carpark was off-putting. Drove into carpark but didn't get out of vehicle													1			
DOC Hacket needs weed controlling, gorse blackberry and old man's beard. Whispering Falls Bridge should be rebuilt for oldies. Didn't know Whispering Falls track was closed											1					
DOC Hacket toilets are bad															1	
DOC Hacket toilets are filthy, rubbish left, need an upgrade, poor signage, lack of picnic tables, unloved. Favourite swimming spot but facilities need a makeover											1					
DOC Heaps of wasps and nest near track															1	
DOC Picnic tables please															1	
DOC sign should include track difficulty															1	
DOC tidy up area to be picnic friendly. Put carpark at back and picnic areas with view of river															1	
DOC toilet is disgusting. Fix track to Whispering Falls															1	
DOC Toilets are gross - no toilet paper															1	
DOC toilets are not as nice as TDC's Busch reserve															1	

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
DOC track to Whispering Falls. Weed / remove blackberry and gorse															1	
DOC. 1. Lack of maintenance on DOC Tracks. 2. Toilets are odorous. They need more regular cleaning. Toilet paper dispenser needed. Can use toilet paper that's been on floor.															1	
DOC. Bad bumps on driveway on entry to Hacket car park															1	
DOC. Supply toilet paper please															1	
DOC. Toilets could be improved															1	
DOC. Used to park on flat below river. Toilets need upgrading. Supply toilet paper please.															1	
Doesn't need improving, just maintaining				1												
Dog poo dispenser bags eg. Hardy Street entrance			1													
Dogs - separate Busch into dog friendly and family friendly or time restrictions.										1						
Dogs at Dennes Hole				1												
Dogs without leads can be dangerous		1														
Doing a good job / Keep up good work		2														
Doing well - have seen improvements for pedestrians and cyclists and those who interact with river	1															
Doing well - not many clean rivers that go through towns in NZ				1												
Don't add any more recreation facilities			1													
Don't want a weir		1														
Done a nice job	1															
Done a wonderful job		1														
Don't change the flow, especially for irrigation												1				
Don't get the jetty / wharf as boats can't really use it	1															
Don't overdue the facilities															1	
Don't spray around river				1												
Don't swim in the Maitai anymore											1					
Don't think should be over-commercialised			1													
Don't try to 'improve' this part of the river - it doesn't need it					1											
Don't turn it into the Gold Coast															1	
Draw people to this end of walkway as nice	1															
Driveways on Riverside get blocked		1														
Easier access for dog owners					1											
Encouraging recreation - signs to show tracks				1												
Enhance the bus area- advertising maybe shuttles				1												
Enjoy flushable toilets by Sunday Hole but need shade sails there					1											
Enjoyable chilled out space				1												
Enjoying it as a visitor	1															
Everyone happy here					1											
Excellent facilities				1												
Facilities along River at Aniseed Valley are excellent					1											

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Facilities are fine				1												
Facilities are great - picnic areas						1										
Facilities at Blacks Hole vandalised				1												
Facilities downstream are good eg. Sunday Hole						1										
Facilities well maintained					1											
Fantastic				1												
Fantastic asset			1	1												
Few shags because no yellow eyed mullet. The tide meant should be here. You would see shoals of fish in the past	1															
Fewer closures of tracks would be good	1															
Fill in pot holes												1				
Fix up the potholes at entrance to Busch Reserve											1					
Focus less on facilities and more on quality of water				1												
For an urban stretch of river the balance of keeping it natural but safe is about right		1														
For walking - constant battle with cyclists who think they own the track and swear at dogs if go too slow (my wife formed a lobby group called 'DOG' - managed to amend the dog control proposals to allow more dog access)							1									
For what use river for, it is awesome					1											
Foreign fishermen low down in river?		1														
Forestry - when harvested will be sediment running off unless carefully managed					1											
Friends in self-contained camper would like to stay overnight												1				
Gas BBQs instead of wood please												1				
Generally pretty good		1					1									
Get rid of algae and pollution		1														
Get rid of rubbish	1															
Give permission to take as much water as like.												1				
Gives me what need (swimming, walking etc)								1								
Glad I can bring dog here					1											
Glad that Friends of Maitai have been active				1												
Glad the valley is here												1				
Glare on path	1															
Go ahead with Kohatu Park									1							
Go extra distance to Aniseed and Lee because know water is clean there					1											
Good asset to town	1															
Good balance, not too over managed											1					
Good facility close to town					1											
Good idea to have survey - applaud Council for involving people in decisions about Maitai				1												
Good if algae would be addressed						1										
Good if diggers could dig out deep out deep holes between Twin Bridget & Hacket												1				
Good if more area for recreation				1												

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Good job getting community consensus		1														
Good place for visitors to picnic and eat. Close to amenities which visitors use		1														
Good plans guys - Nelmac						1										
Good that NCC provides dog poo bags but none up here					1											
Good to have nice free family things to do											1					
Good to have picnic tables and toilet at site 6					1											
Good to move hoons driving over ground						1										
Good to resurrect BMX track near Jickells Bridge				1												
Good to see NCC has an interest listening to river users!						1										
Got to protect it				1												
Grass mown				1												
Grateful to have the resource to use					1											
Great			1								1					
Great area				1												
Great asset of Nelson				1												
Great development in Nelson with mountainbiking							1									
Great facility			1													
Great for all ages		1														
Great shared tracks	1															
Great that have dog poo bags						1										
Great that you can cycle / walk along most of river						1										
Great the way it is					1											
Great to remove pines from visual sight						1										
Great to see people out and enjoying river	1															
Great to see rubbish bin emptied by friendly Nelmac man												1				
Great today		1														
Handy toilet. Good that unrestricted access												1				
Happy to enjoy it		1														
Hard to bring water quality back to health after a certain period of degradation				1												
Harlands is good as can park right next to river and get both privacy and gurgling of stream					1											
Has toilets				1												
Hasn't changed in years						1										
Have a dog free reserve												1				
Have a dog zone											1					
Have a managed campground												1				
Have a toilet at no-name site													1			
Have this resource preserved for our grandchildren please				1												
Having a good time											1					
Holes in picnic tables for sun umbrellas												1				
Hope new part becomes central part of Nelson entertainment		1														

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Hope they open new section soon		1														
Hope trees grow quickly	1															
How bad is algae problem 0 seems to need regular rain to flush away?						1										
Huge improvement site #1	1															
I wish the Maitai was a s good as it used to be. We've travelled this far to get to a nice river. Pine for old days.										1						
If water could be cleaner that would be great					1											
Important facility that needs money spent on it				1												
Improve access to trails for MTB					1											
Improve ease of access to river for older folk at Sunday Hole				1												
Improve fencing at Smiths Ford to deter 4DW ripping up the surface - there's already a gap - would be easy to extend the fence to preserve the site for users						1										
Improve river flow. Gave out Rob green card re report publication date. Sport NZ publication												1				
Improve water quality						1										
Improvement on what it was	1															
In flood put a measure up				1												
In past summers have been stickers saying not to swim; no such restrictions years ago								1								
Increase in sand-flies				1												
Info on website is quite good - good if website said whether needed a 4WD to get to dam						1										
Instead of barriers at picnic spots suggest use cameras to target offenders					1											
It is all good					1											
It is fine						1										
It is free				1												
It is great		1														
It is in better condition than rivers down south					1											
It's alright, we're happy, we keep coming!												1				
It's excellent. Families enjoying the summer										1						
It's good														1		
It's good to have somewhere to bring the dog											1					
It's great what the council has done - well maintained		1														
It's great. Luv it										1						
It's just there. I go anywhere in the Maitai - never stick to one place						1										
It's lovely. Lucky in Nelson. Spoilt for choice for swim and picnic spots											1					
It's nice to have access to the whole thing		1														
Keep it / like it as natural as possible	1	1			1											
Keep looking after it				1												
Keep on top of algae			1													
Keep on trying			1													
Keep the rubbish bins											1					
Keep up good work				1												

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Keep working on it				1												
Kiddy swings would be good					1											
Lack of toilet facilities						1										
Leave it as is				1												
Leave it as it is										1						
Leave some open areas so safe for those walking alone					1											
Let nature take its course											1					
Like all recreational facilities on river, if tried two do anything would get washed out						1										
Like dog free zone enforced				1												
Like it lots. Glad we discovered it this year														1		
Like new development		1														
Like this spot now found it						1										
Like to see campers access to Council Reserve						1										
Like to see more control of dogs eg some dogs have no collars. More check of bad driving and dogs. Dog ranger visit more often										1						
Like to see more historical trail staff		1														
Like to see NCC invest more in this part of river				1												
Like to see river bought back to clean state		1														
Like to use this huge space for recreational campers - no need for power points. COC Argument between respondent and wife over impact of overnight motor home access.											1					
Like what I see - key thing is keep water clean.		1														
Like what see					1											
Link it to CBD Trafalgar Street	1															
Looking good A closer BBQ would be good.													1			
Looking great				1												
Looks like oxygen weed at Sunday Hole				1												
Lots been done down the river in way of improvements to water holes						1										
Love it		1														
Love the green - colours and nature								1								
Love the name 'Maitai'					1											
Love this place					1											
Lovely						1										
Lovely - most attractive recreational area		1														
Lovely asset				1												
Lovely place		1														
Lovely spot				1												
Lovely to have such a natural place so close to town					1											
Lovely to walk by river	1															
Lovely walk		1														
Low level of development at Sunday Hole is just right - keep it at this level please				1												

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Low level management to return to natural state						1										
Lucky to live in such a beautiful place		1														
Lucky we've got it		1														
Magnificent job by Trafalgar Centre		1														
Maintain access and beauty		1														
Maitai is an amazing asset						1										
Maitai is scody. Don't go there anymore. DOC-need gas BBQ at Hacket														1		
Maitai River is gross											1					
Make entrance to reserve wider for campervans to get through easily											1					
Make it better for swimming	1															
Make roads wider to accommodate cars and cyclists					1											
Manage toxic algae						1										
Managed fine						1										
Maybe degradable dog poo bags		1														
Maybe last summer's toxic algae highlighted need to manage Maitai better - this is a good development					1											
Millions spent on pump station by motor camp to keep pumping water when flow are low						1										
Model other rivers on this one											1					
Money well spent site #1	1															
More BBQs in the shade											1					
More dog control												1				
More dog poo bins				1												
More ducks				1												
More facilities - better toilets, potable water						1										
More fish - just to see them and take pictures											1					
More gas BBQs												1				
More lighting between Bridge St bridge to Nile St bridge. It's too dark		1														
More management of freedom campers - especially toileting					1											
More picnic tables						1										
More riparian and riverside planting				1												
More rubbish bins	1															
More shade so can sit under trees				1												
More shade trees														1		
More shade trees between Collingwood St bridge and Riverside		1														
More swimming holes for dogs and their owners					1											
More tables		1														
More thought about planning improvements and the expenditure				1												
More toilets		1	1													
More toilets at far end(3rd pool), more BBQ and picnic tables											1					
More water holes open to dogs in summer			1													

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
More water in river - but would need better flood protection of course						1										
Most impressed to see Nelmac man cleaning BBQs on weekend.											1					
Motorcycle clubs grateful for support of NCC					1											
Natural					1											
Natural rocks to prevent cars parking on grass						1										
Naturalise more		1														
Beautiful that it is natural and not heavily commercialised					1											
NCC and DOC do a great job - even this questionnaire					1											
NCC doing a grand job - mowing, cleanliness and plenty of rubbish bins and toilets				1												
NCC doing as much as it can						1										
NCC is pro-actively trying to manage the river - doing their best						1										
NCC overly stringent on dogs. Nobody minds dogs in other swimming holes lower down river						1										
NCC should actively support Friends of the Maitai						1										
NCC should use its own water											1					
NCC try to keep it so can swim every year				1												
Need better signage about water quality for dog walkers					1											
Need bins for rubbish		1														
Need it to be safe		1														
Need more BBQs at Busch reserve as sometimes there's a big queue eg New Years											1					
Need more signage about whether or not dogs can swim		1														
Need patrols for people dumping rubbish											1					
Need some dog free designated place															1	
Need to be careful about protecting it		1														
Need to get to river		1														
Need to look after it				1												
Need to relocate dam						1										
Needs looking after better				1												
Needs more dog friendly areas				1												
Needs more facilities - BBQ, picnic table, drinking water, waterproof pagoda, bike rack				1												
Needs to be maintained and improved to reach potential			1													
Nelsonians are lucky to have the number of reserves we have!											1					
Never seen anyone working here			1													
New Maitai walkway is unattractive concrete				1												
New walkway is great		1														
Nice	1															
Nice area				1												
Nice for an out-of-towner				1												
Nice if had a dog water bowl				1												
Nice if new section was open - a problem		1														

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Nice place for family to come to											1					
Nice place to come											1					
Nice to have things kept natural as much as possible											1					
Nice to see more trout				1												
Nile Street wooden bridge in danger if 50 year event						1										
No commercial development						1										
No Didymo					1											
No more recreation				1												
No rubbish and lawns are mowed								1								
Not enough knowledge about causes of toxicity					1											
Not many "facilities" up here and that's appropriate						1										
Not much trout in Hacket. Used to be more. Redirect log trucks re dust on river															1	
Open the flood gates and clean out river				1												
Open up Branford Park												1				
Our biggest asset - why not have it healthy				1												
Overall well maintained including the tracks					1											
Oxygenate the dam			1													
Patrol the river so don't have to fence ourselves out of so much of the river					1											
Peaceful spot for holiday						1										
People could pick up poo bags on way up river from stations					1											
People make best use out of it				1												
People should be able to swim				1												
Picked up beer bottles and rubbish		1														
Pity can't maintain cleanliness of the river thru summer BUT it's a natural function. Shouldn't complain												1				
Playground at Sunday hole good for families					1											
Pleased that NCC taken on board that water quality has declined				1												
Pollution issues downstream - Sunday Hole						1										
Potentially a beautiful area		1														
Precious and should be protected	1															
Prefer big dogs be on leads or in designated area for dogs, especially where small kids area. Make one of Busch / Twin a dog free reserve												1				
Pretty cool here													1			
Pretty good											1					
Pretty happy				1	1											
Pretty outstanding				1												
Progress is excellent		1														
Put in a toilet	1															
Quiet place to kick back								1								
Quinneys Bush is a good example of dredged out pools. Natural features are good for kids												1				

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Quite well looked after						1										
Real old fashioned spot. Like when we were kids												1				
Really enjoy the use of river for many activities					1											
Really enjoyed our time here												1				
Really great													1			
Really happy about everything				1												
Really like the NCC planted fruit trees next to Lower Maitai water holes							1									
Reasonably happy					1											
Recommend it to others				1												
Recreation - punts, boats	1															
Recreation things like in holiday park - shops, buses							1									
Recycling bins needed		1														
Re-open Maungetapu								1								
Reseal the access road. Don't do more patching													1			
Research on toxic run-off from gold course				1												
Respondents observed Council wasting water at Saxton Field, watering grass between main road and cricket.													1			
Results are amazing (site 1)	1															
River a great asset				1												
River is scummy/slimy - people don't realise how toxic it is						1										
River is sick							1									
River quality downstream not so good				1												
River swimming is a unique activity that needs to be protected				1												
Riverside pool needs more parking		1														
Road could be improved upstream 9narrow / pot holes/sharp corners)							1									
Road isn't smooth for lowered vehicles													1			
Road up Maitai very narrow on bike				1												
Roding is closer and better than Lee. Pleasantly surprised											1					
Rubbish - DOC encourages people to take rubbish home but not everyone does															1	
Rubbish and hoons are a problem						1										
Rubbish bins for dog poo							1									
Rubbish dumped along road and river						1	1									
Rubbish in river	1															
Sand-flies				1												
Seating and walk		1														
Seen what doing at Tahunanui - good - just need to keep to a plan of upgrading as doing							1									
Separate bike track to keep walkers and cyclists separate				1												
Separate walkers from MTB						1										
Shade	1															
Shame that the toilets are so far away from the river											1					

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Should have taken white duck as it was swan's companion		1														
Should let NCC take as much water as needed												1				
Shower				1												
Signage for mountain bike tracks						1										
Signage is poor on the Maitai Valley section of the Dun mountain loop						1										
Signage to say not go swimming					1											
Signage to slow cyclists under bridges				1												
Site 6 is safe for kids and water warm and tracks good for families					1											
Slightly too much space on track	1															
Some of stuff done is very good	1															
Some toilets better and some worse				1												
Specific place to park cars - security issue if leave car too long					1											
Spot works well				1												
Status quo on water take												1				
Straighten hill road please. Keep it basic like it is. Don't turn it into Tahuna												1				
Straighten road from Sunday Hole going down					1											
Suggest designated area for dogs within a reserve (like Tahuna's dog beach and Rabbit Island). Used to visit Hackett but don't go there anymore, better facilities at Busch and closer)											1					
Sunday Hole beautiful - great family spot				1												
Sunday Hole not the greatest for young kids because of access				1												
Surprised at lack of trout				1												
Tables with umbrellas				1												
Taken too long to finish off the library to Trafalgar Street	1															
Tarseal road right to dam						1										
Thank you for creating access			1													
The hill road is steep and narrow													1			
The long drop toilet is not looked after / monitored very well													1			
The mountain biking and walking tracks are good						1										
There was uproar over the dam was built but we'd be lost without it						1										
They do a good job													1			
They're taking water upstream for town so that has some impact surely?															1	
Think it is great				1												
Tics on dog									1							
Tidy up the grass		1														
To finish the BBQ the end of the walkway		1														
Toilet block at Sharland Creek					1											
Toilet facilities - freedom campers using river for toilet						1										
Toilet facilities at all swimming areas				1												
Toilet facility - discreet and nice		1														

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
Toilet would be good					1											
Toilets	2	1														
Toilets along this part of track(site 3)			1													
Toilets at Branford Park need renovating			1													
Toilets clean				1												
Toilets near ford				1												
Toilets sometimes not tidy in past				1												
Too noisy when lots of young children				1												
Top facilities				1												
Top notch				1												
Toxic algae is problem because of dogs					1											
Track into water steep at site 6					1											
Trees would help everything else				1												
Unbelievable waste of money at site 1	1															
Unloved compared with money spent on downstream				1												
Use of swimming holes dropped off in recent years - even at top used to be chocker with people swimming										1						
User friendly	1	1														
Verges on roadside - higher fire risk - need mowing						1										
Very accessible				1												
Very clean and tidy				1												
Very clean spot. Keep it that way												1				
Very good facilities												1				
Very good overall						1										
Very good, clean and tidy											1					
Very lucky to have it here				1												
Very nice place										1						
Very pleased NCC is working with Friends of Maitai.				1												
Very pretty		1														
Very satisfied with minimal facilities													1			
Very user friendly				1												
Visually logging is unattractive													1			
Walking are amazing asset						1										
Water quality a problem all over NZ				1												
Water quality fine				1												
Water quality has gone down in Nelson / Tasman rivers						1										
Water quality is the key						1										
Water quality issue									1							
We all need to pay more attention to river quality - we're all a bit blasé about it															1	
We are lucky		1														
We are very fortunate and grateful											1					
We come this far (past Maitai) as we think the Maitai has more problems											1					

Table 29: Other comments (count)	Maitai River											Roding River				
	Site	1	2	3	4	5	6	9	11	12	BR	TB	WG	3	HT	
We like it															1	
Weed spraying by river can't be good for river						1										
Well maintained		1		1		1										
We're impressed - the level of maintenance is far better than we expected (in comparison with Whangarei facilities)											1					
What about a BBQ area				1												
When first came here you could drink water (30 years ago)				1												
When low not appealing		1														
When TDC subjects its water users to restrictions, NCC should be subject to restrictions on Roding River water intake												1				
When younger river was awesome for swimming - didn't even hear about algae						1										
Whitebaiting bad now - none here any more		1														
Why are dogs allowed to swim alongside children?						1										
Why do have toxicity problem?						1										
Will be back again, but first time						1										
Will bring 3 year-old to swim here - feels safe						1										
Will come back again						1										
Wish people could have better access to these lovely places - for people who can't afford a car					1											
Wish there was more access for dog walkers further up the river															1	
Wonderful				1												
Wonderful asset				2												
Wonderful family facility					1											
Wonderful recreation asset			1													
Work is good				1												
Worried about over-spending on project	1															
Worried that possum control bait may get into water				1												
Worry about toxic algae							1									
Worth saving				1												
Would definitely come again						1										
Would like one reserve to allow campervans											1					
Would like reserve gated all year around. Car driving around reserve- doing spin outs. Should be closed out												1				
Wouldn't like to see path widened		1														

Table 30: Roding River - final comment residents

Already busy in summer for residents
Better water flow quality you will improve all aspects of river
Concerns if too much water taken out for irrigation
Contractors do a great job keeping everything clean and tidy
Council do a wonderful job and provide well facilities picnic areas and parks
Dam could do with a clean out - let more fines down the river
Effects of forestry should be kept out of river - esp. clear felling
Facilities are good but don't need more picnic areas
Fire is main fear in valley so think Council should close road during high risk times.
Great asset
Great to manage people with keys to forestry on Meads Rd - seems like A LOT of people with keys
Have a look at 100km speed limit on the road - nuts
Like to see planting which is in addition to natural state
Lot more people living in the Valley.
Many abandoned cars left at Hackett and set alight - dangerous
More picnic tables at the reserves would be good
More walkways would enhance recreational use
Mountain bikers shouldn't be allowed on Hackett Track - walking not pleasant there any more
Native riparian planting should provide unbroken corridor for catchment
NCC take at dam should only be for a back up
Need to educate public to pick up trash
Nelmac visit several times a week to tidy picnic area
No more water should be taken for town supply
Really good
Reserves well kept - no more needed
River changed in places after flood
Road from Hackett to dam needs to be maintained for all vehicles
Roding is better and recreation areas developed since have been here
Roding is a very important and essential part of our daily lives as valley residents - what makes Aniseed Valley a special place to live
See separate sheet
Shame the public doesn't look after parks and facilities better
This summer has been exceptionally busy and TDC reserves very busy
To properly gauge recreational use of Roding a traffic count should be done.
Too much time and money spent on maintaining the picnic areas and not enough on actual river
Water levels are low - not just because of time of year but due to pine trees - reduce them around the river
When river in flood could have structure to lower power generation into river for supply to the grid

Table 31: Maitai River - final comment residents

A little less water in river around summer than in earlier years
Appreciate changes have seen are difficult to manage
Area from Riverside pool to Bridge Street bridge - grass ruined by vehicles driving down to river and parking / cars turning using grass area / plant trees here / have a no exit sign and widen road
Branford Park sign to be place where can be seen - trees are in front of it
Cause of pollution addressed
Could be improved to look more attractive - rocks etc
Council do fairly well.
Council doing an exceptionally good job and attitude to improving the Maitai is excellent
Council needs to consider water quality reintroduced to river - remove water requirement by encouraging water harvesting of greywater re-use
Council seems to be working to improve river
Cut long grass on banks
Don't want a concrete walkway - gravel is good
Encourage all residents who back onto Maitai to make their bank attractively landscaped
Europeans see we do not practice our clean green image when they see the Maitai
Flood protection doesn't protect my property - if anything has made it worse
Get Home to clean up each day or not park there
Great to see Council looking at Maitai - keep up good work
Hope don't spray near the water
Improvement to riverside walks between library and QEII Drive are a credit to NCC and enhance the city
Information panels
It will be good to have the river cleaned up as soon as possible
Keep channel open - take out gravel build up and fallen trees and willows growing in actual river - so river flows faster and stays in channel
Keep it clean
Keep pine plantations away from river
Lawn mowing good
Less toxic algae this year which is great
Look after existing riverside planting
Look at South branch water quality at pipeline intake compared with lake water compensation flow
Love sculpture and plantings
Maitai a wonderful feature of Nelson
Maitai River has immense recreational value for city dwellers
Maitai River walk is excellent
More control over the dog owners who walk by Maitai - poo us annoying on properties
More flood protection as there seems to be more storms now
More regular inspections for removal of unstable, dead or dying trees near or fallen in river
More rubbish bins.
More rubbish times and doggy bags on walkways
Native plantings do not improve the river's appearance and some natives will clog the river
Needs will arise and need to be managed as occur - a living environment
New walkway is amazing very user friendly and wide enough for all users
No more forestry
Nobody monitors logging up here and the effects on the river - or animal run-off into river (sheep and cattle)
Our Maitai River could be showpiece of Nelson. At present is a sad, neglected habitat
Perhaps a weir by QEII bridge
Plant more native trees

Planting along river natural - good to get rid of sycamores and old man's beard - Maitai valley road 5.67km up
Plastic doggy bags by Dommet St a great idea
Please don't put too many paved / concrete paths up the river. It is good being natural
Please protect health of the river
Poor maintenance
Post markers to flood points wo driver can see depth of water across road as dangerous - bend before golf course
Problems below Ralphine Way to Denny's Hole and Sunday Hole
Problems with water level and slime only happened since building of the dam
Real inner city asset which NCC should continue to improve
Reduce logging on steep slopes / better forestry practice
Reduce willows
Release more water down into Maitai over summer when rainfall low so that swimming holes can be enjoyed
Remove concrete splash barriers
River allowed to drop too low at times in summer
River is a treasure to Nelson
River is used by a wide group of people, including tourists
Rubbish bin at end of Hardy St is often over-flowing
See disregard the logging practice has for catchment streams as biggest effect - very obvious since 2007 storm and subsequent logging
See separate sheet
Should remove dead willows or else will fall into river during flood and take out a bridge or cause obstruction to flow
Signs encouraging cyclists to stop for pedestrians
So lucky to have river near a city
Some of the pathways above Nile Street bridge could be improved
Support Project Maitai
Thank you - keep it up
Thank you for keeping it in Council plans
Thanks to initiatives on offer
The WHOLE valley and environs need to be taken into account when decisions made
Think the Council has done a wonderful job
We are lucky to be sparsely populated
We love the Maitai
Weed removal on edge of river in Avon Tce usually done at start of the year - not yet done this summer
Well done Council for managing wonderful recreational facility for residents and visitors
What about dam discharging de-oxygenated, metallic poor quality water into river? What measures are planned to reduce this? It is the elephant in the room along with forestry activity down to the river edge at and along tributaries
When we walked the great new walkway we noticed an absence of rubbish bins
Why is Girlies Hole not named on map = unique place in Nelson history
Why is it polluted? And with what - apart from algae?
Why keep about 200 cows near Almond Flat - cow poo affect walking, water, biking and sport
Willow trees and cabbage trees rotten
Would like to see continuous riparian zone along river
Years ago bought in diggers and made river deeper which flowed better and cleaned water quality
Years ago Council used to clean out gravel from river and use it for roading projects

Appendix 2: Intercept survey schedule

	Sat		Sun		Sat		Sun		Sat		Sun		Sat		Sun													
	1-Jan	2-Jan	3-Jan	4-Jan	5-Jan	6-Jan	7-Jan	8-Jan	9-Jan	10-Jan	11-Jan	12-Jan	13-Jan	14-Jan	15-Jan	16-Jan	17-Jan	18-Jan	19-Jan	20-Jan	21-Jan	22-Jan	23-Jan	24-Jan	25-Jan	26-Jan	27-Jan	30-Jan
Maitai																												
1	1.50									6.00										1.04			1.00		6.00			
2		6.00									6.00									1.04			1.00					
3			5.83															6.00										
4				6.08																				6.00				
5, 6, 8	1.50		3.00		3.00						3.25						3.08							3.00			3.00	3.00
9, 10, 11			3.00		3.00						3.25						3.08							3.00				
Roding																												
Bottom start	2.00	6.00									6.00						6.00						4.41					
Mid start			6.33							5.33								6.00						6.00				

Sat	Sun	W		Sat	Sun	Sat		Sun		Sat		Sun		Sat	Sun														
31-Jan	1-Feb	2-Feb	3-Feb	4-Feb	5-Feb	6-Feb	7-Feb	8-Feb	9-Feb	10-Feb	11-Feb	12-Feb	13-Feb	14-Feb	15-Feb	16-Feb	17-Feb	18-Feb	19-Feb	20-Feb	21-Feb	22-Feb	23-Feb	24-Feb	25-Feb	26-Feb	27-Feb	28-Feb	1-Mar
						6.00												2.00											
							6.00														2.00								
								6.00														5.00							
		3.00			1.00		2.00			1.50	3.00											3.00							
										1.50																			
			3.00			6.00								4.83				1.50				4.00						5.00	
													5.00	4.83	5.83						3.00						3.00		6.00

Appendix 3: Questionnaires and letters

Maitai River user survey

Site	Interviewer	Date	Time	
Notes:				

Hello, I am doing a survey for the Nelson City Council about the use and values of the Maitai River and its surrounds. Do you have a couple of minutes to answer some simple questions?

Q1. Have you been surveyed about your use of this site in the past month?

- ¹ No (CONTINUE) ² Yes →

THANKS FOR STOPPING BUT WE WON'T BOTHER YOU AGAIN

Q2. What age group are you in? **(INSTRUCTION: show categories)**

- ¹ Under 15 (CLOSE WITH THANKS) →
² 15-24
³ 25-49
⁴ 50-64
⁵ 65 years and over

THANKS FOR STOPPING BUT WE'RE JUST TALKING TO PEOPLE WHO ARE 15 YEARS OR OLDER TODAY

Q3. Are you visiting today alone or as part of a group?

- ¹ Alone ² Group: **how many in your group (including you)?**:

Q5. Where do you normally live? **(RECORD NELSON/TASMAN SUBURB, NZ CITY, OR COUNTRY)**

Thinking about the Maitai River

Q6a. What activities have you used the Maitai River for, today and in the past? **(PROMPT FOR ALL ACTIVITIES – NOT JUST TODAY'S)**

Q6b. What is your main activity here today? **(TICK ONE ACTIVITY)**

Q7. Which parts of the Maitai River are you using today? **(SHOW MAP AND TICK SECTIONS)**

- 1 2 3 4 5 6 7 8 9 10 11 12

Q8. For how many years have you been doing **your main activity on this part (where we are now)** of the Maitai River? _____

Q9a. In your opinion do you think the part of the Maitai River you are visiting today is better, worse or the same as the first time you visited for **<say main activity>**?

- ¹ Better ² Worse ³ Same **(IF SAME GO TO Q10)**

Q9b. How do you think the part of the Maitai River you are visiting today has changed since you first visited?

Q10. How often do you visit this area of the Maitai River during the summer and also during the rest of the year? For summer we mean Labour Weekend until Easter. **(SHOW LIST ON CARD)**

Q10a. During the summer? (1 Nov – 31 March)
(tick one box)

- 1 Every day or nearly every day
- 2 Once a week on average
- 3 1-2 times a month
- 4 Once every few months
- 5 Once a year
- 6 Hardly ever – today is unusual

Q10b. During the rest of the year?
(tick one box)

- 1 Every day or nearly every day
- 2 Once a week on average
- 3 1-2 times a month
- 4 Once every few months
- 5 Once a year
- 6 Hardly ever
- 7 Never

Q11. Can you describe the **BEST ASPECTS** of the **part of the Maitai River you are visiting today** and **WHY** you think that?

Best aspects	Reasons

Q12. Can you describe the **WORST ASPECTS** of the **part of the Maitai River you are visiting today** and **WHY** you think that?

Worst aspects	Reasons

Q13. Which of the following five statement do you think best describes **this part (where we are now)** of the Maitai River? **(SHOW LIST ON CARD)**

- 1 Heavily modified
- 2 Partially modified
- 3 Moderately natural
- 4 Highly natural
- 5 Untouched

Q14a. Did you check the flow of the river, or the amount of water in it, before you visited today?

- 1 Yes 2 No **(IF NO GO TO Q15)**

Q14b. How did you check the river flow?

- 1 Online 2 Had a look before leaving home. 3 Other:

Q15. In your experience, how often are your water-based activities not possible on the Maitai River due to **low flows** in the river? **(SHOW LIST ON CARD)**

- 1 Never
- 2 Rarely (less than one visit in ten)
- 3 Occasionally (less than half the time)
- 4 Frequently (more than half the time)

Q16a. Thinking about the amount of water in the Maitai River today, how would you describe your preferred flow from the following list (**SHOW LIST ON CARD**)

- 1 I don't know
- 2 I prefer it the way it is today or now
- 3 I prefer it a **little higher** than it is today (about 10% higher)
- 4 I prefer it a **lot higher** than it is today (about 50% higher)
- 3 I prefer it a **little lower** than it is today (about 10% lower)
- 4 I prefer it a **lot lower** than it is today (about 50% lower)

Q16b. Why do you prefer that flow?

Q17. What priorities should the Nelson City Council place on improving this part of the Maitai River?
Rank your top three priorities from the following list: (**SHOW LIST ON CARD**)

- 1 More recreation facilities
- 2 Making the river more fish-friendly
- 3 More native riparian or riverside planting
- 4 Improving water quality
- 5 Managing toxic algae
- 6 Managing slippery algae
- 7 Managing sediment inflows to the river
- 8 Improved flood protection works
- 9 Other:

Q18. Have you any other comments to make about the Maitai River, the facilities provided by Council and its use or management?

Q19. (RECORD GENDER)

- 1 Male
- 2 Female

Thank you very much. (Give contact card to anyone who asks further questions)

Roding River user survey

Site	Interviewer	Date	Time	
Notes:				

Hello, I am doing a survey for the Nelson City Council about the use and values of the Roding River and its surrounds. Do you have a couple of minutes to answer some simple questions?

Q1. Have you been surveyed about your use of this site in the past month?

- 1 No (CONTINUE) 2 Yes →

THANKS FOR STOPPING BUT WE WON'T BOTHER YOU AGAIN

Q2. What age group are you in? **(INSTRUCTION: show categories)**

- 1 Under 15 (CLOSE WITH THANKS) →
 2 15-24
 3 25-49
 4 50-64
 5 65 years and over

THANKS FOR STOPPING BUT WE'RE JUST TALKING TO PEOPLE WHO ARE 15 YEARS OR OLDER TODAY

Q3. Are you visiting today alone or as part of a group?

- 1 Alone 2 Group: **how many in your group (including you)?**:

Q5. Where do you normally live? **(RECORD NELSON/TASMAN SUBURB, NZ CITY, OR COUNTRY)**

Thinking about the Roding River

Q6a. What activities have you used the Roding River for, today and in the past? **(PROMPT FOR ALL ACTIVITIES – NOT JUST TODAY'S)**

Q6b. What is your main activity here today? **(TICK ONE ACTIVITY)**

Q7. Which parts of the Roding River are you using today? **(SHOW MAP AND TICK SECTIONS)**

- 1 2 3 4 5 6 7 (above the weir)

Q8. For how many years have you been doing **your main activity on this part (where we are now)** of the Roding River? _____

Q9a. In your opinion do you think the part of the Roding River you are visiting today is better, worse or the same as the first time you visited for **<say main activity>**?

- 1 Better 2 Worse 3 Same **(IF SAME GO TO Q10)**

Q9b. How do you think the part of the Roding River you are visiting today has changed since you first visited?

Q10. How often do you visit this area of the Roding River during the summer and also during the rest of the year? For summer we mean Labour Weekend until Easter. **(SHOW LIST ON CARD)**

Q10a. During the summer? (1 Nov – 31 March)
(tick one box)

- 1 Every day or nearly every day
- 2 Once a week on average
- 3 1-2 times a month
- 4 Once every few months
- 5 Once a year
- 6 Hardly ever – today is unusual

Q10b. During the rest of the year?
(tick one box)

- 1 Every day or nearly every day
- 2 Once a week on average
- 3 1-2 times a month
- 4 Once every few months
- 5 Once a year
- 6 Hardly ever
- 7 Never

Q11. Can you describe the **BEST ASPECTS** of the **part of the Roding River you are visiting today** and **WHY** you think that?

Best aspects	Reasons

Q12. Can you describe the **WORST ASPECTS** of the **part of the Roding River you are visiting today** and **WHY** you think that?

Worst aspects	Reasons

Q13. Which of the following five statements do you think best describes **this part (where we are now)** of the Roding River? **(SHOW LIST ON CARD)**

- 1 Heavily modified
- 2 Partially modified
- 3 Moderately natural
- 4 Highly natural
- 5 Untouched

Q14a. Did you check the flow of the river, or the amount of water in it, before you visited today?

- 1 Yes 2 No **(IF NO GO TO Q15)**

Q14b. How did you check the river flow?

- 1 Online 2 Had a look before leaving home. 3 Other:

Q15. In your experience, how often are your water-based activities not possible on the Roding River due to **low flows** in the river? **(SHOW LIST ON CARD)**

- 1 Never
- 2 Rarely (less than one visit in ten)
- 3 Occasionally (less than half the time)
- 4 Frequently (more than half the time)

Q16a. Thinking about the amount of water in the Roding River today, how would you describe your preferred flow from the following list (**SHOW LIST ON CARD**)

- 1 I don't know
- 2 I prefer it the way it is today or now
- 3 I prefer it a **little higher** than it is today (about 10% higher)
- 4 I prefer it a **lot higher** than it is today (about 50% higher)
- 3 I prefer it a **little lower** than it is today (about 10% lower)
- 4 I prefer it a **lot lower** than it is today (about 50% lower)

Q16b. Why do you prefer that flow?

Q17. What priorities should managers of the Roding River place on improving this part of the River?
Rank your top three priorities from the following list: (**SHOW LIST ON CARD**)

- 1 More recreation facilities
- 2 Making the river more fish-friendly
- 3 More native riparian or riverside planting
- 4 Improving water quality
- 5 Managing toxic algae
- 6 Managing slippery algae
- 7 Managing sediment inflows to the river
- 8 Other:

Q18. Have you any other comments to make about the Roding River, the facilities provided by Council and its use or management?

Q19. (RECORD GENDER)

- 1 Male
- 2 Female

Thank you very much. (Give contact card to anyone who asks further questions)

20 February 2015

Alec.Louverdis@ncc.govt.nz
www.nelson.govt.nz

The Resident

Insert address here

Dear Resident

As you'll probably be aware, Nelson City relies on water from the Maitai River for its domestic water supply. In 2017 the resource consents to take this water expire, and the Nelson City Council must reapply for them. As part of this process, we are keen to better understand how those residents living near the river, use it, and what priorities should be placed on current and future management (like storm water management and flood protection).

This information will also feed into work Council is carrying out to improve the health of the river as part of Project Maitai/Mahitahi. At a later date, Council will survey all city residents.

Over this summer we have been surveying recreational users of the river, and you might have encountered one or more of our survey team completing questionnaires at the main reserves and swimming holes.

A short questionnaire for you is enclosed. We are interested in all activities in and around the river, including such things as walking beside it, as well as fishing, swimming and other activities, which don't involve getting wet, such as simply enjoying the view of the water.

If you have any additional comments about the Maitai River that won't fit on the questionnaire, please feel free to add more on another sheet of paper.

All responses are anonymous.

Once you have completed the questionnaire, place it in the enclosed envelope and mail it, or drop it into our customer service centre in Civic House on Trafalgar Street.

Please complete and mail your questionnaire by 6 March. Also please note that there is a map on the back of this letter that you will need to use to answer one of the questions in the questionnaire.

For more information, please phone the Nelson City Council on 546 0200 and ask about the Maitai River residents' survey.

Kind regards and thanks for your assistance.



Alec Louverdis
Group Manager Infrastructure

Maitai River resident survey

Thanks for taking the time to complete this questionnaire.

Q1. Have you already been surveyed about your use of the Maitai River when visiting it this summer? (tick one box)

- No Yes (continue anyway – we still need to know what residents think)

Q2. What activities do you use the Maitai River for – either along its banks or in the water? (tick as many boxes as apply)

- Walking Walking the dog Swimming Trout fishing Eel fishing
 Picnics Playing with children Cycling Looking at the water Kayaking

Other activities (please write): _____

Q3. Of those activities, which **one** do you do the most?

Q4. Which parts of the Maitai River do you use? (PLEASE REFER TO THE MAP and tick as many as apply)

- 1 2 3 4 5 6 7 8 9 10 11 12

Q5. For how many years have you been living by the Maitai River? _____

Q6. In that time, do you think the Maitai River has changed for the better or the worse, or has remained the same? (tick one box)

- Better Worse Same (IF SAME GO TO Question 8)

Q7. How do you think the Maitai River has changed over time?

Q8. How often do you visit the Maitai River **for recreation** during the summer and also during the rest of the year? For summer we mean 1 Nov – 31 March.

Q8a. During the summer? (1 Nov – 31 March)
(tick one box)

- Every day or nearly every day
 Once a week on average
 1-2 times a month
 Once every few months
 Once a year
 Hardly ever
 Never

Q8b. During the rest of the year?
(tick one box)

- Every day or nearly every day
 Once a week on average
 1-2 times a month
 Once every few months
 Once a year
 Hardly ever
 Never

Q9. Can you describe the **BEST ASPECTS** of the Maitai River and **WHY** you think that?

Best aspects	Reasons

Q10. Can you describe the **WORST ASPECTS** of the Maitai River and **WHY** you think that?

Worst aspects	Reasons

Q11. In your experience, how often are your water-based activities not possible on the Maitai River due to **low flows** in the river (tick one box)?

- 0 I don't do any water-based activities on the Maitai River
- 1 Never
- 2 Rarely (less than one visit in ten)
- 3 Occasionally (less than half the time)
- 4 Frequently (more than half the time)

Q12. What priorities should managers of the Maitai River place on improving the River? From the list below, **identify your top priority for management activity (put a number 1 in a box), your second priority (put a 2 in that box) and your third priority (a 3 in that box).**

- 1 More recreation facilities
- 2 Making the river more fish-friendly
- 3 More native riparian or riverside planting
- 4 Improving water quality
- 5 Managing toxic algae
- 6 Managing slippery algae
- 7 Managing sediment inflows to the river
- 8 Improved flood protection works
- 9 Other:

Q13. Have you any other comments to make about the Maitai River, the facilities provided by Council and its use or management? Use another sheet of paper if required.

Q14. Please record your gender

- 1 Male 2 Female

Q15. What age group are you in?

- 1 15-24 3 50-64
- 2 25-49 4 65 years and over

Thank you very much. Now – pop this completed questionnaire in the envelope and post it or deliver it to a Nelson City Council customer service office.

Roding River resident survey

Thanks for taking the time to complete this questionnaire.

Q1. Have you been surveyed about your use of the Roding River on site this summer? (tick one box)

- No Yes (continue anyway – we still need to know what residents think)

Q2. What activities do you use the Roding River for – either along its banks or in the water? (tick as many boxes as apply)

- Walking Walking the dog Swimming Trout fishing Eel fishing
 Picnics Playing with children Cycling Looking at the water Kayaking

Other activities (please write): _____

Q3. Of those activities, which **one** do you do the most?

Q4. Which parts of the Roding River do you use? (PLEASE REFER TO THE MAP and tick as many as apply)

- 1 2 3 4 5 6 7

Q5. For how many years have you been living by the Roding River? _____

Q6. In that time, do you think the Roding River has changed for the better or the worse, or has remained the same? (tick one box)

- Better Worse Same (IF SAME GO TO Q8)

Q7. How do you think the Roding River has changed over time?

Q8. How often do you visit the Roding River **for recreation** during the summer and also during the rest of the year? For summer we mean 1 Nov – 31 March.

Q8a. During the summer? (1 Nov – 31 March)
(tick one box)

- Every day or nearly every day
 Once a week on average
 1-2 times a month
 Once every few months
 Once a year
 Hardly ever
 Never

Q8b. During the rest of the year?
(tick one box)

- Every day or nearly every day
 Once a week on average
 1-2 times a month
 Once every few months
 Once a year
 Hardly ever
 Never

Q9. Can you describe the **BEST ASPECTS** of the Roding River and **WHY** you think that?

Best aspects	Reasons

Q10. Can you describe the **WORST ASPECTS** of the Roding River and **WHY** you think that?

Worst aspects	Reasons

Q11. In your experience, how often are your water-based activities not possible on the Roding River due to **low flows** in the river (tick one box)?

- 0 I don't do any water-based activities on the Roding River
- 1 Never
- 2 Rarely (less than one visit in ten)
- 3 Occasionally (less than half the time)
- 4 Frequently (more than half the time)

Q12. What priorities should managers of the Roding River place on improving the River? From the list below, **identify your top priority for management activity (put a number 1 in a box), your second priority (put a 2 in that box) and your third priority (a 3 in that box).**

- 1 More recreation facilities
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- 3 More native riparian or riverside planting
- 4 Improving water quality
- 5 Managing toxic algae
- 6 Managing slippery algae
- 7 Managing sediment inflows to the river
- 8 Other: _____

Q13. Have you any other comments to make about the Roding River, the facilities provided by Council and its use or management? Use another sheet of paper if required.

Q14. Please record your gender

- 1 Male
- 2 Female

Q15. What age group are you in?

- 1 15-24
- 2 25-49
- 3 50-64
- 4 65 years and over

Thank you very much. Now – pop this completed questionnaire in the envelope and post it or deliver it to the Nelson City Council customer service office in Civic House on Trafalgar Street.