



## SOUTH EAST QUEENSLAND CATCHMENTS

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Waterway Engagement

2022 Research Report

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## Traditional Owner Acknowledgement

We acknowledge that the place we now live in has been nurtured by Australia's First Peoples for tens of thousands of years. We believe the spiritual, cultural and physical consciousness gained through this custodianship is vital to maintaining the future of our region.

For further information about Healthy Land and Water, please email [hlwinfo@hlw.org.au](mailto:hlwinfo@hlw.org.au) or telephone (07) 3177 9100.

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## Executive Summary

Healthy Land and Water is an independent, not-for-profit organisation that works with government, industry and the community to protect and improve the sustainable use of land and waterways in South East Queensland. The organisation monitors and reports on the condition of these waterways and provides capacity building for professionals and community groups. It advises on reforms to policy and planning, and provides the education programs to motivate South East Queensland (SEQ) community members to value and protect Queensland waterways and the natural environment. Healthy Land and Water produces a report card that publishes an annual assessment of the pressures facing waterways across 18 local SEQ catchment areas, documenting their current environmental condition, and the level of social and economic benefit the waterways provide to local communities. The data contained in this 2022 Waterway Engagement Research Report contributes the social research data for the Healthy Land and Water's annual report card. Data assessing the social benefits of waterways has been assessed every year since 2015.

Data were collected via an online survey. Participants were recruited via two methods: (i) a social research company was used to recruit a sample of participants that represented the population of South East Queensland, and (ii) social media promotion encouraged additional sample to participate, with the potential to win one of four \$500 gift cards. The survey was conducted in June-August 2022, and took approximately 15 minutes to complete.

Examining the perceptions of SEQ residents about their local waterways and how they use these waterways provides an important foundation to better understand how healthy waterways can contribute to health and wellbeing across the community.

Fundamental to the South East Queensland lifestyle are the recreational, health, cultural, and economic benefits provided by the region's extensive, diverse, and scenic waterways (creeks, rivers, lakes, beaches, and bays). It's not surprising that the majority of South East Queensland residents report having a connection with nature and that it is an important part of their lives. This year 94% of residents surveyed (increased from 87% in 2021) used their local waterways for some form of recreation, including walking, cycling, swimming, picnics, and fishing.

Waterways in good condition provide the most social and economic benefits to the community. Protecting and investing in waterway health is much more than just environmental protection, it's about protecting the multiple benefits that nature and waterways give our community and economy. A healthy catchment protects valuable agricultural soil, reduces various public health costs, protects our drinking water supply, supports productive fisheries and much more. Importantly it can also minimise flood risks to homes, businesses, and sites of cultural heritage significance.

For most of the social monitoring constructs measuring waterway benefits, the mean scores for 2022 are slightly higher than those generated for 2021, excluding the constructs Being away, Fascination with waterways and Nature Relatedness.

In addition to the regular social monitoring, the 2022 survey provided an opportunity to examine a range of additional questions such as the impact of the record-breaking floods of 2022 as well as SEQ residents' knowledge and perceptions of the natural heritage of Moreton Bay, and the Moreton Bay Marine Park.

With regard to experience of flooding, most participants—around 2 in 3—indicated they had some exposure to flooding, with the most common level of exposure (representing 1 in 3 total responses) being “Floodwaters came into my suburb, but not my street”. More than one quarter of participants had floodwaters enter their yard or house. Results also show that 3 of 4 participants describe impacts related to damage to waterways or coastal areas in their local area and/or damage to natural areas. While lower in frequency, it is important to note that 2 out of every 5 participant reported an impact to their own or their family's physical health and/or damage to their home or possessions.

With regard to perception about Moreton Bay, participants overwhelmingly agreed that Moreton Bay is important for both the economy, for recreation and for future generations. However, awareness of the features of Moreton Bay was mixed. While around one-third of participants felt confident that they had heard of dugongs, this number dropped significantly when considering migratory shorebirds (less than one-quarter), corals and/or sea turtles (less than 1 in 5 participants). Similarly, only one quarter of participants had definitely heard of Moreton Bay Marine Park.

While brief summary statistics have been provided in this report, more detailed analysis will be prepared for scientific publications in coming months.



# 1 Introduction

Healthy Land and Water is an independent, not-for-profit organisation that works with government, industry and the community to protect and improve the sustainable use of land and waterways in South East Queensland (SEQ). The organisation monitors and reports on the condition of these waterways and provides capacity building for professionals and community groups. It advises on reforms to policy and planning, and provides education programs to motivate Queensland community members to value and protect South East Queensland waterways and the natural environment. Underpinning these activities are four strategic objectives:

- Promote healthy land and water biodiversity
- Innovate solutions to protect and restore our natural environment
- Involve, inform and inspire our members
- Keep a connected, engaged and motivated community

Each year Healthy Land and Water produces an annual assessment of the current environmental condition and level of social and economic benefit South East Queensland's waterways provide to local communities of waterways. This 2022 Social Science Report provides the evidence contributing to the social component of the annual Report Card and informs policy and actions relating to the promotion and protection of waterways in South East Queensland.

## 2 Project Aims

As with previous years, the 2022 SEQ Waterway Engagement Research study aims to understand and measure the benefits and usage of waterways for SEQ residents across 19 catchment areas<sup>1</sup>. The focus for the 2022 waterway engagement community survey is aligned with two key outcomes. First, to provide social data for the Waterways Benefit Ratings (report card) calculations. Second, to investigate a series of additional research questions related to:

- Community perceptions of flood impacts and influence on support for policy
- Community understanding and appreciation of the diverse values of Moreton Bay

## 3 Research Questions

The 2022 SEQ community waterways study contributes to the ongoing monitoring of social and economic indicators of waterway benefits, using research questions from the Healthy Land and Water Waterways Benefit Ratings framework (see 3.1 Measurement Framework, below). In addition, the 2022 survey included questions drawn from environmental social psychology related to perceptions of, and responses to environmental change, and environmental behaviours. Specific research questions were:

RQ1: What proportion of SEQ residents were exposed to, and impacted by, flooding in 2022?

RQ2: What is the relationship between flood exposure and flood impacts?

RQ3: Does flood exposure impact support for government investment in flood and disaster resilience?

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<sup>1</sup> Prior to 2020, 18 catchments were reported. From 2020, Healthy Land and Water added a 19<sup>th</sup> catchment, *Moreton Bay and Islands*.

RQ4: What do South East Queensland know and value about Moreton Bay and the Moreton Bay Marine Park?

RQ5: How supportive are South East Queenslanders of the Marine Park and the strategies that are used to manage Moreton Bay?

### 3.1 Measurement framework

This study investigates eight constructs that form the social indicators measured in previous years by Healthy Land and Water. Waterway use is also assessed.

#### Experience:

1. **Overall Satisfaction** measures how satisfied participants are with their local waterways experience (use in or near).
2. **Overall Accessibility** measures the perceptions of participants about the accessibility of their local waterway.
3. **Overall Usability** captures whether participants feel that their local waterways are usable and don't take much effort to use.
4. **Integrated Motivation** occurs when motives for using waterways are fully in line with one's personal values and needs.

#### Connection with nature:

5. **Nature relatedness** measures an individual's connection to the natural world (environment).

#### Personal benefits:

6. **Social value** captures the value participants get from using their local waterways with others such as friends or family.
7. **Being Away** captures a conceptual idea rather than a physical transformation. It emphasises a location that helps the participant to relax, gives them a break and provides an escape from their everyday routines.
8. **Fascination** conceptualises a location which is thoroughly absorbing for the participant, able to capture attention or curiosity in a way that is important for psychological restoration.

#### Waterway use

9. Frequency of engaging in a range of activities in, on, or near their local waterways

## 4 Ethical Considerations and Funding

This research reported was granted ethics approval by the Queensland University of Technology (QUT) Human Ethics Committee (QUT approval number: 2000000201) in line with standard ethical guidelines and the National Statement on Ethical Conduct in Human Research (Australian Government, 2007). Participants were provided with information about the study prior to commencing the survey.

## 5 Method

### 5.1 Instrument

A survey was developed to incorporate the established Healthy Land and Water social and economic indicator questions, along with additional questions as described in Section 2: Project Aims. The social indicator constructs (Section 7) were measured using 7-point rating scales (as per previous years; where 1 = *strongly disagree*, 7 = *strongly agree*). Demographics and recreational frequency were assessed using categorical response questions. Details on survey instruments used to assess the additional research questions are described below.

The survey was administered by Qualtrics on their survey platform ([Qualtrics XM](#)). Statements within question blocks were randomised to avoid question order effects.

### 5.2 Sampling procedure

This study used two methods to reach a sub-sample of SEQ residents aged 18 years or older who live in the 19 catchment areas. First, a survey panel was used to gain responses from a wide range of the general SEQ population. The second method recruited participants via Healthy Land and Water's social media channels and email lists.

**Panel data** was collected using the social research company Qualtrics. Target sample size was minimum N=3200, aiming for at least 40 participants from each catchment, with a mix of age and genders that approximated the population of SEQ. Recruitment was conducted between 30 June and 01 August, 2022. The final sample provided eligible data comprised 3208 participants. Fewer than 40 participants were recruited for the Mid Brisbane) catchment. As such, specific findings for this catchment may be unduly influenced by single responses, and findings should be interpreted with caution.

**Social media data** was collected via an online survey during the same time period. It was shared through Healthy Land and Water's social media services. An incentive was offered as a chance to win one of four \$500 Wish gift cards. A total of 224 participants completed the survey via social media. Winners of gift cards were drawn and notified by Healthy Land and Water.

### 5.3 Analysis

Data were screened and analysed using the statistical software SPSS. Quantitative analysis provided frequencies for categorical variables and mean statistics for continuous variables.

### 5.4 Participants – Demographic profiles

Panel data aimed to generate a mix of age and genders that approximated the population of SEQ. Because recruitment for the social media data was not restricted by demographics or location, some slight differences in the demographic profiles between Panel Data and Social Media Data were evident.

#### 5.4.1 Age

Across both sources, participants aged 65+ were the most common age group to respond, however comparing both sources, social media participants tended to be older (greater than 45 years).

Age group	Panel		Social media	
	Frequency	Percent	Frequency	Percent
18-24 years	404	12.6%	11	4.9%
25-34 years	643	20.0%	29	12.9%
35-44 years	601	18.7%	38	17.0%
45-54 years	428	13.3%	49	21.9%
55-64 years	445	13.9%	44	19.6%
65+ years	687	21.4%	53	23.7%
Total	3208	100.0	224	100.0

#### 5.4.2 Gender

Both samples were over-represented by females, however the difference was much larger for the social media participants whereby twice as many females participated as males.

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Female	1799	56.1%	147	65.6%
Male	1392	43.4%	74	33.0%
Nonbinary	14	0.4%	0	0.0%
Prefer to describe as	2	0.1%	1	0.4%
Prefer not to say	1	0.0%	2	0.9%
Total	3208	100.0%	224	100.0%

#### 5.4.3 Education level

Both data sources comprise a range of educational attainment. The social media participants had a higher representation of individuals with a university education (over half of the sample) compared to the panel data (around one-third). In this regard, the panel data is more representative of the general SEQ population.

Education attained	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Primary school	50	1.6%	0	0.0%
High school	852	26.6%	23	12.6%

Education attained	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Certificate or diploma	933	29.1%	46	25.1%
Apprenticeship or trade certificate	164	5.1%	7	3.8%
Bachelor's Degree	742	23.1%	57	31.1%
Postgraduate Degree	438	13.7%	43	23.5%
Other qualification	28	0.9%	7	3.8%
Total	3207	100.0%	183	100.0%

#### 5.4.4 Employment

Both data sources comprised a range of employment designations, however, more than half of respondents indicated they were currently working. There was a high degree of consistency between the two sources.

Primary employment status	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Working at all (including full time, part time, or self-employed)	1852	57.7%	108	59.3%
Unemployed and looking for work	151	4.7%	6	3.3%
Unemployed and not seeking work	116	3.6%	6	3.3%
Retired	718	22.4%	38	20.9%
Student	151	4.7%	6	3.3%
Caring for others (unpaid)	111	3.5%	8	4.4%
Something else (please specify)	108	3.4%	10	5.5%
Total	3207	100.0%	182	100.0%

#### 5.4.5 Time in SEQ and current suburb

In general, the participants sourced from social media tended to have resided for a slightly longer period in SEQ (an average of 30 years) when compared to participants in the panel data (an average of 27 years). The data was more consistent across the two sources when considering time spent living in their current suburb with an average of around 12-13 years.

	Panel		Social media	
	Mean (SD)	Range	Mean (SD)	Range
Years lived in SEQ (N = 3,432)	26.75 (18.77)	0-93	30.28 (19.35)	0-73
Years lived in suburb (N = 3,432)	11.70 (11.63)	0-67	12.75 (12.75)	0-72

#### 5.4.6 Household income

The median (middle point) for household income in Australia is about \$88,000 per year before tax. Participants sourced from the panel data were slightly more likely to have indicated that their household income is above \$88,000 (just over one-third of participants) compared to around one-quarter of the participants sourced from social media. As is common when asking about income, a notable proportion of the participants sourced from social media (around 1 in 5) declined to respond to this question.

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Below \$88,000	1495	46.6%	79	43.4%
About \$88,000	368	11.5%	19	10.4%
Above \$88,000	1128	35.2%	46	25.3%
Prefer not to say	215	6.7%	38	20.9%
Total	3206	100.0%	182	100.0%

#### 5.4.7 Children in the household

Most survey participants did not have children in the household. There was a high degree of consistency across the two data sources

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Children under 13 years living at home				
Yes, most of the time	895	27.9%	42	23.0%
Yes, sometimes	94	2.9%	8	4.4%
No	2218	69.2%	133	72.7%
Total	3207	100.0%	183	100.0%
Children 13-18 years living at home				

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Yes, most of the time	488	15.2%	26	14.3%
Yes, sometimes	95	3.0%	10	5.5%
No	2623	81.8%	146	80.2%
Total	3206	100.0%	182	100.0%

#### 5.4.8 Country of birth

There was a high degree of consistency across the two data sources regarding country of birth with just over 1 in 5 participants born overseas. This is a slighter lower proportion when considering the most recent census data for the broader South East Queensland population, whereby an estimated quarter of the population are born overseas.

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
Born in Australia	2500	78.0%	142	77.6%
Born overseas	704	22.0%	41	22.4%
Total	3204	100.0%	183	100.0%

#### 5.4.9 Language at home

While there was a great degree of consistency between the two data sources with regard to the proportion of participants that only speak English (around 92%), this may be a slightly higher proportion when compared to the most recent census data which suggests that around 85% of South East Queenslanders only speak English at home.

	Panel		Social media	
	Frequency	Percent	Frequency	Percent
I only speak English at home	2925	91.2%	169	92.3%
I sometimes speak another language at home	281	8.8%	14	7.7%
Total	3206	100.0%	183	100.0%

## 6 Catchment areas

The survey targeted residents in the 19 catchments areas of South East Queensland (Figure 1). Each of the 955 suburbs or towns in SEQ were assigned to a catchment area, however 49 suburbs/towns span two catchment areas. For this reason, people who live in suburbs/towns that span 2 catchments were assigned to both catchments. This results in a higher sample size in the dual catchment counts for 18 of the 19 catchments; these were:

- Albert & Logan
- Albert & Pimpama-Coomera
- Albert & Pine
- Bremer & Lower Brisbane
- Bremer & Mid Brisbane
- Caboolture & Pine
- Caboolture & Pumicestone
- Lockyer & Mid Brisbane
- Logan & Lower Brisbane
- Logan & Redland
- Lower Brisbane & Pine
- Lower Brisbane & Redland
- Maroochy & Mooloolah
- Mooloolah & Pumicestone
- Mooloolah & Stanley
- Nerang & Pimpama-Coomera
- Nerang & Tallebudgera-Currumbin
- Pumicestone & Stanley

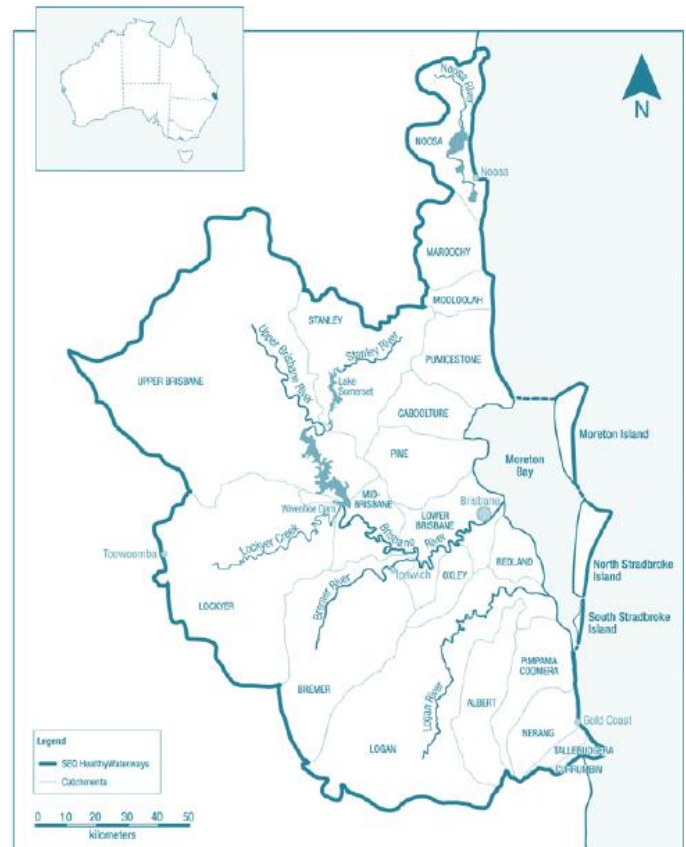


Figure 1 Map highlighting catchment areas in South East Queensland

A full list of localities, postcodes and catchment assignments can be found in Appendix A.

As would be expected, a notable proportion of the participants across both samples reside in the Lower Brisbane catchment (around one-third of all participants). Other catchments with a high number of participants were Logan, Pimpama-Coomera and the Pine catchments. The Stanley, Tallebudgera-Currumbin and Upper Brisbane catchments had the smallest number of responses.



Catchment	Panel		Social media		Total	
	N	%	N	%	N	%
Albert	54	1.7%	9	4.0%	63	1.8%
Bremer	166	5.2%	13	5.8%	179	5.2%
Caboolture	126	3.9%	3	1.3%	129	3.8%
Lockyer	103	3.2%	39	17.4%	142	4.1%
Logan	311	9.7%	27	12.1%	338	9.8%
Lower Brisbane	1114	34.7%	61	27.2%	1175	34.2%
Maroochy	144	4.5%	15	6.7%	159	4.6%
Mid Brisbane	17	0.5%	3	1.3%	20	0.6%
Mooloolah	98	3.1%	8	3.6%	106	3.1%
Moreton Bay	65	2.0%	8	3.6%	73	2.1%
Nerang	242	7.5%	7	3.1%	249	7.3%
Noosa	59	1.8%	14	6.3%	73	2.1%
Pimpama-Coomera	290	9.0%	11	4.9%	301	8.8%
Pine	268	8.4%	9	4.0%	277	8.1%
Pumicestone	124	3.9%	4	1.8%	128	3.7%
Redland	177	5.5%	7	3.1%	184	5.4%
Stanley	36	1.1%	6	2.7%	42	1.2%
Tallebudgera-Currumbin	48	1.5%	1	0.4%	49	1.4%
Upper Brisbane	39	1.2%	1	0.4%	40	1.2%
Total	3208	100.0%	224	100.0%	3432	100.0%

## 7 Survey Constructs

### 7.1 Validity and reliability

The items in the survey were based on existing measures used historically by Healthy Land and Water. The aim of each construct investigated is outlined in Section 8.0 with the results of each construct including the average score across SEQ participants and the highest and the lowest scoring catchment per construct.

As with previous years, the validity and reliability of the constructs were assessed using Cronbach's alpha ( $\alpha$ ) to measure scale reliability, and item-to-total correlation (ITC) tests.

Test	Thresholds
Cronbach's	$\alpha \geq 0.70$ (or 0.60 in exploratory research)
Alpha, item-to-total correlation	ITC > 0.30

Based on these criteria, all key social constructs met criteria for reliability.

Construct	Description	Items	Cronbach's $\alpha$	Lowest ITC	Threshold met?
Usability	The degree to which participants found waterways useable, with minimum effort	4	.86	.46	✓
Satisfaction	The degree to which participants were satisfied with their use or experience of waterways	4	.91	.66	✓
Accessibility	The degree to which participants feel that their waterways are easily accessible	4	.95	.79	✓
Being Away	The degree to which waterways provide an opportunity for mental restoration from daily routines or stress	4	.94	.76	✓
Fascination	The degree to which experiences with waterways are absorbing or fascinating	4	.93	.75	✓
Social Value	The degree to which participants value using waterways with others	4	.89	.62	✓

Construct	Description	Items	Cronbach's a	Lowest ITC	Threshold met?
Integrated Motivation	The degree to which using waterways aligns with the personal values and needs of participants	3	.94	.82	✓
Nature Relatedness	The degree of personal connection with the natural environment	4	.87	.50	✓

## 7.2 Differences between sample types

Independent samples t-tests were used to determine if significant differences existed between the panel participants and social media participants with regard to the core survey constructs, with the mean scores being reported below. The final column in the table below indicates whether the mean scores were significantly different across the two samples. The mean scores for several constructs varied between the two samples. The social media participants tended to score waterways lower with regards to satisfaction and accessibility but higher in terms of fascination and nature relatedness.

Construct	Group	N	Mean	SD	p value
Satisfaction	Panel	3208	4.85	1.36	< .001*
	Social Media	212	4.25	1.63	
Social Value	Panel	3208	4.69	1.40	.411
	Social Media	210	4.26	1.45	
Being Away	Panel	3208	4.87	1.54	.096
	Social Media	210	5.17	1.67	
Fascination	Panel	3208	4.72	1.43	.002*
	Social Media	209	4.99	1.66	
Accessibility	Panel	3208	5.12	1.43	.016*
	Social Media	209	4.83	1.61	
Useability	Panel	3208	4.83	1.38	.225
	Social Media	210	4.83	1.45	
Integrated Motivation	Panel	3208	4.15	1.73	.529
	Social Media	210	4.61	1.80	

Construct	Group	N	Mean	SD	p value
Nature Relatedness	Panel	3208	5.21	1.20	.002*
	Social Media	194	6.09	1.06	

Notes: (1) Scale used: 1 = *strongly disagree*, 7 = *strongly agree*. (2) \* Differences are significant at  $p < .05$

## 8 Results and Discussion

Results are presented for both the panel data and the social media survey (combined) in the following section (Section 8). The catchment level analysis at the end of the report (Section 10) is only based on the panel data.

The means for key social constructs are all above the scale mid-point (4), indicating that the average response was positive. For most constructs, the means for 2022 are slightly higher than those generated for 2021, excluding Nature Relatedness. NB these changes are very small, representing less than a 0.2 shift on the 7-point scale. Moreover, these changes should be interpreted with caution as they may be due to other factors such as differences in participant profiles.

Construct	2022 values			2021 values			p value
	N	Mean	SD	N	Mean	SD	
Usability	3418	4.83	1.38	3751	4.74	1.36	< .001*
Satisfaction	3420	4.81	1.38	3752	4.72	1.36	< .001*
Accessibility	3417	5.11	1.45	3749	4.97	1.50	< .001*
Being Away	3418	4.89	1.55	3752	4.82	1.56	.057
Fascination	3417	4.74	1.45	3750	4.68	1.43	.078
Social Value	3418	4.67	1.40	3747	4.56	1.38	< .001*
Integrated Motivation	3418	4.17	1.74	3746	4.06	1.73	.007*
Nature Relatedness	3402	5.26	1.21	3712	5.30	1.25	.171

Notes: (1) Scale used: 1 = *strongly disagree*, 7 = *strongly agree*. (2) \*Differences are significant at  $p < .05$

### 8.1 Local waterway usability, satisfaction, and accessibility

Participants across the total sample were asked to consider their local waterway and rate their perceptions of access, use and overall satisfaction. Results are shown for each catchment.

We note that data for the Mid Brisbane catchment contains less than 40 participants and estimates for this catchment may be less reliable.

### 8.1.1 Local waterway usability

These questions asked participants about their perceptions for local waterway usability (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for usability for 2022 was 4.83 (SD 1.38). Moreton Bay & Islands and Tallebudgera-Currumbin Catchments had the highest mean scores and the Albert catchment had the lowest.

Catchment	N	Usability	
		Mean	SD
Albert	62	4.35	1.47
Bremer	177	4.53	1.54
Caboolture	128	4.76	1.41
Lockyer	136	4.46	1.52
Logan	332	4.37	1.47
Lower Brisbane	1163	4.71	1.33
Maroochy	158	5.16	1.20
Mid Brisbane	20	4.63	1.37
Mooloolah	106	5.24	1.18
Moreton Bay	73	5.79	1.05
Nerang	249	5.34	1.18
Noosa	73	5.33	1.14
Pimpama-Coomera	301	5.06	1.24
Pine	274	4.81	1.41
Pumicestone	128	5.45	1.21
Redland	183	5.03	1.25
Stanley	39	5.09	1.49
Tallebudgera-Currumbin	49	5.68	1.01
Upper Brisbane	40	5.43	1.19

### 8.1.2 Local waterway satisfaction

These questions asked participants about satisfaction with experiences at local waterways (where 1 = *strongly disagree*, and 7 = *strongly agree*). The overall score for 2022 was 4.81 (SD = 1.38). Moreton Bay & Islands and Tallebudgera-Currumbin Catchments had the highest mean scores, with the Lockyer and Mid-Brisbane Catchments scoring the lowest.

Catchment	N	Satisfaction	
		Mean	SD
Albert	63	4.32	1.38
Bremer	179	4.31	1.61
Caboolture	129	4.78	1.32
Lockyer	142	4.25	1.69
Logan	338	4.32	1.51
Lower Brisbane	1175	4.68	1.31
Maroochy	159	5.24	1.19
Mid Brisbane	20	4.25	1.26
Mooloolah	106	5.38	1.21
Moreton Bay	73	5.67	1.21
Nerang	249	5.39	1.11
Noosa	73	5.35	1.23
Pimpama-Coomera	301	5.06	1.24
Pine	277	4.83	1.43
Pumicestone	128	5.51	1.18
Redland	184	5.01	1.17
Stanley	42	5.11	1.31
Tallebudgera-Currumbin	49	5.65	1.01
Upper Brisbane	40	5.24	1.17

### 8.1.3 Local waterway accessibility

These questions asked participants about satisfaction with experiences at local waterways (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for 2022 was 5.11 (SD 1.47). Moreton Bay & Islands and Tallebudgera-Currumbin Catchments has the highest mean scores, with the Albert and Logan Catchments scoring the lowest.

Catchment	N	Satisfaction	
		Mean	SD
Albert	62	4.57	1.62
Bremer	178	4.83	1.58
Caboolture	129	5.07	1.42
Lockyer	136	4.63	1.64
Logan	334	4.56	1.61
Lower Brisbane	1163	4.95	1.41
Maroochy	158	5.40	1.20
Mid Brisbane	20	4.89	1.55
Mooloolah	106	5.60	1.22
Moreton Bay	73	6.00	1.05
Nerang	249	5.66	1.22
Noosa	73	5.46	1.23
Pimpama-Coomera	301	5.33	1.32
Pine	274	5.19	1.49
Pumicestone	128	5.78	1.20
Redland	183	5.41	1.23
Stanley	39	5.47	1.32
Tallebudgera-Currumbin	49	6.02	0.95
Upper Brisbane	40	5.47	1.13

## 8.2 Constructs

### 8.2.1 Being away

These questions asked participants about the degree to which waterways provide an opportunity for mental restoration from daily routines or stress (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for 2022 was 4.89 (SD = 1.55). The Tallebudgera-Currumbin Catchment had the highest mean, and the Logan Catchment scored the lowest.

Catchment	N	Being away	
		Mean	SD
Albert	62	4.49	1.81
Bremer	178	4.49	1.67
Caboolture	128	4.79	1.51
Lockyer	136	4.71	1.65
Logan	333	4.33	1.65
Lower Brisbane	1165	4.76	1.53
Maroochy	158	5.29	1.38
Mid Brisbane	20	4.56	1.64
Mooloolah	106	5.24	1.49
Moreton Bay	73	5.86	1.12
Nerang	249	5.38	1.31
Noosa	73	5.58	1.27
Pimpama-Coomera	301	5.16	1.38
Pine	274	4.78	1.64
Pumicestone	128	5.55	1.32
Redland	183	5.20	1.29
Stanley	39	5.26	1.61
Tallebudgera-Currumbin	49	5.57	1.28
Upper Brisbane	40	5.39	1.17



## 8.2.2 Fascination

These questions asked participants about the degree to which their experiences with waterways are absorbing or fascinating (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for 2022 was 4.74 (SD 1.45). Moreton Bay & Islands had the highest mean, and the Bremer Catchment had the lowest.

Catchment	N	Fascination	
		Mean	SD
Albert	62	4.33	1.53
Bremer	177	4.22	1.66
Caboolture	129	4.64	1.49
Lockyer	134	4.53	1.65
Logan	333	4.33	1.57
Lower Brisbane	1164	4.58	1.38
Maroochy	158	5.20	1.34
Mid Brisbane	20	4.71	1.52
Mooloolah	106	5.20	1.32
Moreton Bay and Islands	73	5.73	1.08
Nerang	247	5.28	1.20
Noosa	73	5.42	1.11
Pimpama-Coomera	299	4.96	1.29
Pine	274	4.62	1.48
Pumicestone	128	5.40	1.24
Redland	183	4.79	1.37
Stanley	38	4.97	1.54
Tallebudgera-Currumbin	49	5.44	1.20
Upper Brisbane	40	5.29	1.34

### 8.2.3 Social value

These questions asked participants about whether they value using waterways with others (where 1 = *strongly disagree*, and 7 = *strongly agree*). The overall score for 2022 was 4.67 (SD = 1.40). Upper Brisbane had the highest mean, and the Albert Catchment had the lowest.

Catchment	N	Social value	
		Mean	SD
Albert	61	4.15	1.56
Bremer	178	4.45	1.60
Caboolture	128	4.62	1.41
Lockyer	134	4.71	1.41
Logan	333	4.37	1.49
Lower Brisbane	1164	4.67	1.36
Maroochy	158	4.83	1.34
Mid Brisbane	20	4.69	1.49
Mooloolah	106	4.75	1.16
Moreton Bay and Islands	73	4.92	1.38
Nerang	249	5.01	1.25
Noosa	73	4.86	1.36
Pimpama-Coomera	299	4.69	1.38
Pine	273	4.53	1.54
Pumicestone	128	4.99	1.34
Redland	183	4.70	1.28
Stanley	39	4.63	1.34
Tallebudgera-Currumbin	49	5.02	1.12
Upper Brisbane	40	5.38	1.23

## 8.2.4 Integrated Motivation

These questions asked participants about the degree to which using waterways aligns with the personal values and needs of participants (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for 2022 was 4.17 (SD = 1.74). Moreton Bay & Islands had the highest mean, with the Albert and Bremer Catchments with the lowest means.

Catchment	N	Motivation	
		Mean	SD
Albert	61	3.75	1.83
Bremer	178	3.75	1.79
Caboolture	129	3.96	1.72
Lockyer	137	4.09	1.85
Logan	333	3.62	1.75
Lower Brisbane	1165	4.01	1.67
Maroochy	158	4.58	1.67
Mid Brisbane	20	3.55	1.49
Mooloolah	106	4.55	1.80
Moreton Bay and Islands	72	5.70	1.32
Nerang	249	4.60	1.67
Noosa	73	4.98	1.63
Pimpama-Coomera	300	4.34	1.70
Pine	274	4.06	1.77
Pumicestone	127	4.95	1.63
Redland	183	4.33	1.50
Stanley	39	4.27	1.80
Tallebudgera-Currumbin	49	5.21	1.55
Upper Brisbane	40	5.09	1.65

### 8.2.5 Nature relatedness

These questions asked participants about their sense of connection to nature (where 1= *strongly disagree*, and 7= *strongly agree*). The overall score for 2022 was 5.26 (SD = 1.21). Moreton Bay had the highest mean (M = 5.90, SD = 1.04), and Stanley had the lowest (M = 4.97, SD = 1.05).

Catchment	N	Nature relatedness	
		Mean	SD
Albert	60	5.11	1.24
Bremer	175	5.40	1.25
Caboolture	128	5.21	1.28
Lockyer	133	5.42	1.17
Logan	332	5.20	1.17
Lower Brisbane	1160	5.18	1.19
Maroochy	157	5.48	1.17
Mid Brisbane	20	5.23	1.22
Mooloolah	106	5.28	1.29
Moreton Bay and Islands	73	5.82	1.01
Nerang	249	5.35	1.19
Noosa	73	5.65	0.94
Pimpama-Coomera	298	5.25	1.21
Pine	271	5.10	1.34
Pumicestone	128	5.47	1.07
Redland	183	5.26	1.17
Stanley	39	5.71	1.09
Tallebudgera-Currumbin	49	5.44	1.27
Upper Brisbane	39	5.75	0.92

## 8.3 Waterway use and activities

### 8.3.1 Activity participation

Participants were asked whether they had done any of the following activities in, on or alongside a waterway in the previous 12 months. Across the entire sample, less than 6% of the population indicated that they *have not* use waterways. The most common waterway activity reported was walking/running, cited by around 4 out of 5 participants.

There was some variation between the two data sources, whereby social media participants tended to report higher levels of cycling, camping, rowing, kayaking and/or canoeing as well as higher levels for enjoying nature but had fewer jet skiers.

Activity		Panel	Social Media	Total	p value
Picnics, BBQs	Yes	2094	132	2226	.287
	%	65.7%	69.5%	65.9%	
	No	1093	58	1151	
	%	34.3%	30.5%	34.1%	
Walking, running	Yes	2579	160	2739	.234
	%	80.7%	84.2%	80.9%	
	No	616	30	646	
	%	19.3%	15.8%	19.1%	
Swimming	Yes	1174	77	1251	.280
	%	36.8%	40.7%	37.1%	
	No	2013	112	2125	
	%	63.2%	59.3%	62.9%	
Cycling	Yes	776	61	837	*.015
	%	24.4%	32.3%	24.9%	
	No	2401	128	2529	
	%	75.6%	67.7%	75.1%	
4WD driving, trail bike riding	Yes	522	37	559	.262
	%	16.5%	19.6%	16.6%	
	No	2651	152	2803	
	%	83.5%	80.4%	83.4%	
Jet skiing, water skiing	Yes	377	9	386	*.003
	%	11.9%	4.8%	11.5%	
	No	2788	180	2968	
	%	88.1%	95.2%	88.5%	
Camping	Yes	960	75	1035	*.007
	%	30.1%	39.5%	30.7%	
	No	2225	115	2340	
	%	69.9%	60.5%	69.3%	
Recreational fishing	Yes	1035	58	1093	.588
	%	32.6%	30.7%	32.5%	
	No	2141	131	2272	
	%	67.4%	69.3%	67.5%	
Boating, sailing	Yes	692	45	737	.520

Activity		Panel	Social Media	Total	p value
	%	21.8%	23.8%	21.9%	
	No	2480	144	2624	
	%	78.2%	76.2%	78.1%	
Rowing, kayaking, canoeing	Yes	556	70	626	* < .001
	%	17.5%	36.8%	18.6%	
	No	2614	120	2734	
	%	82.5%	63.2%	81.4%	
Surfing, kite-surfing, sail boarding	Yes	359	16	375	.230
	%	11.3%	8.5%	11.1%	
	No	2820	173	2993	
	%	88.7%	91.5%	88.9%	
Scuba diving, snorkelling	Yes	404	23	427	.809
	%	12.8%	12.2%	12.7%	
	No	2759	166	2925	
	%	87.2%	87.8%	87.3%	
Enjoying nature e.g. birdwatching, conservation, photography	Yes	1732	167	1899	* < .001
	%	54.3%	87.9%	56.2%	
	No	1456	23	1479	
	%	45.7%	12.1%	43.8%	
Catching a ferry	Yes	1007	65	1072	.448
	%	31.7%	34.4%	31.9%	
	No	2165	124	2289	
	%	68.3%	65.6%	68.1%	
Other	Yes	163	37	200	* < .001
	%	6.5%	23.7%	7.5%	
	No	2337	119	2456	
	%	93.5%	76.3%	92.5%	

Notes: (1) \*Differences are significant at  $p < .05$  (2) Some of the other waterway activities that participants reported were: Stand up paddle boarding, Dog walking, Weeding/nature rehabilitation work, and meditation/relaxation.

### 8.3.2 Local, SEQ and national waterway use and activities

Participants were also asked to indicate locations where they had undertaken the listed activities within the last 12 months. Note: Local was defined as within 15 kms of the participants home, participants could select more than one response.

Across the whole sample (and excluding the below activities) participants indicated that they tended to conduct waterway activities in their local area more frequently.

- 4WD driving, trail bike riding
- Camping
- Surfing, kite-surfing, sail boarding
- Scuba diving, snorkelling

		Panel		Social Media		Total	
		N	%	N	%	N	%
Picnics, BBQs	Locally	1744	54.4%	107	50.2%	1851	54.1%
	Elsewhere in SEQ	708	22.1%	84	39.4%	792	23.2%
	Elsewhere in Australia	189	5.9%	33	15.5%	222	6.5%
Walking, running	Locally	2312	72.1%	150	70.4%	2462	72.0%
	Elsewhere in SEQ	696	21.7%	73	34.3%	769	22.5%
	Elsewhere in Australia	200	6.2%	29	13.6%	229	6.7%
Swimming	Locally	795	24.8%	54	25.4%	849	24.8%
	Elsewhere in SEQ	485	15.1%	39	18.3%	524	15.3%
	Elsewhere in Australia	138	4.3%	20	9.4%	158	4.6%
Cycling	Locally	617	19.2%	54	25.4%	671	19.6%
	Elsewhere in SEQ	196	6.1%	13	6.1%	209	6.1%
	Elsewhere in Australia	60	1.9%	7	3.3%	67	2.0%
4WD driving, trail bike riding	Locally	213	6.6%	17	8.0%	230	6.7%
	Elsewhere in SEQ	316	9.9%	27	12.7%	343	10.0%
	Elsewhere in Australia	94	2.9%	8	3.8%	102	3.0%
Jet skiing, water skiing	Locally	163	5.1%	4	1.9%	167	4.9%
	Elsewhere in SEQ	173	5.4%	6	2.8%	179	5.2%
	Elsewhere in Australia	67	2.1%	2	0.9%	69	2.0%
Camping	Locally	289	9.0%	20	9.4%	309	9.0%
	Elsewhere in SEQ	663	20.7%	62	29.1%	725	21.2%
	Elsewhere in Australia	207	6.5%	24	11.3%	231	6.8%
Recreational fishing	Locally	633	19.7%	38	17.8%	671	19.6%
	Elsewhere in SEQ	479	14.9%	33	15.5%	512	15.0%
	Elsewhere in Australia	121	3.8%	14	6.6%	135	3.9%
Boating, sailing	Locally	366	11.4%	31	14.6%	397	11.6%

		Panel		Social Media		Total	
		N	%	N	%	N	%
	Elsewhere in SEQ	336	10.5%	22	10.3%	358	10.5%
	Elsewhere in Australia	101	3.1%	5	2.3%	106	3.1%
Rowing, kayaking, canoeing	Locally	303	9.4%	50	23.5%	353	10.3%
	Elsewhere in SEQ	247	7.7%	30	14.1%	277	8.1%
	Elsewhere in Australia	72	2.2%	9	4.2%	81	2.4%
Surfing, kite-surfing, sail boarding	Locally	159	5.0%	10	4.7%	169	4.9%
	Elsewhere in SEQ	174	5.4%	6	2.8%	180	5.3%
	Elsewhere in Australia	69	2.2%	1	0.5%	70	2.0%
Scuba diving, snorkelling	Locally	130	4.1%	14	6.6%	144	4.2%
	Elsewhere in SEQ	199	6.2%	12	5.6%	211	6.2%
	Elsewhere in Australia	107	3.3%	4	1.9%	111	3.2%
Enjoying nature e.g. birdwatching, conservation, photography	Locally	1414	44.1%	152	71.4%	1566	45.8%
	Elsewhere in SEQ	723	22.5%	91	42.7%	814	23.8%
	Elsewhere in Australia	282	8.8%	47	22.1%	329	9.6%
Catching a ferry	Locally	556	17.3%	31	14.6%	587	17.2%
	Elsewhere in SEQ	426	13.3%	35	16.4%	461	13.5%
	Elsewhere in Australia	130	4.1%	4	1.9%	134	3.9%



### 8.3.3 Activity Frequency

The following table describes how frequently the participants undertake the activities when using or visiting a LOCAL waterway (i.e., within 15 kms of their home). Participants could answer on a 7-point scale, where 1 = *never* and 7 = *almost everyday*, whereby a higher mean score indicates more frequent usage.

Overall, the participants indicated that walking and running near their local water way is the activity that they undertake most frequently, followed by enjoying nature. Activities such as boating or sailing and catching a ferry were consistently nominated as the least frequent activities.

There was a high degree of consistency between the samples. For many of the activities, there was no significant difference identified between the two samples. Even when a significant difference was identified (i.e., swimming, cycling, jet skiing, fishing, rowing) those differences were small (representing less than 0.5 on the 7-point scale). The one exception was enjoying nature, whereby there was a large difference between the panel and social media participants with social media respondents indicating that they visit their local waterway to enjoy nature.

Activity		N	Mean	SD	p value
Picnics, BBQs	Panel	3208	2.62	1.71	.367
	Social Media	224	2.46	1.76	
Walking, running	Panel	3208	4.06	2.27	.218
	Social Media	224	3.96	2.36	
Swimming	Panel	3208	1.86	1.63	.010*
	Social Media	224	1.73	1.42	
Cycling	Panel	3208	1.75	1.64	.001*
	Social Media	224	1.95	1.83	
4WD driving, trail bike riding	Panel	3208	1.22	0.90	.504
	Social Media	224	1.21	0.81	
Jet skiing, water skiing	Panel	3208	1.16	0.76	<.001*
	Social Media	224	1.05	0.40	
Camping	Panel	3208	1.27	0.94	.274
	Social Media	224	1.24	0.78	
Recreational fishing	Panel	3208	1.62	1.36	.038*
	Social Media	224	1.52	1.25	
Boating, sailing	Panel	3208	1.33	1.00	.145
	Social Media	224	1.38	1.07	
Rowing, kayaking, canoeing	Panel	3208	1.30	0.99	< .001*
	Social Media	224	1.65	1.35	
Surfing, kite-surfing, sail boarding	Panel	3208	1.19	0.88	.465
	Social Media	224	1.17	0.80	
Scuba diving, snorkelling	Panel	3208	1.14	0.75	.172
	Social Media	224	1.18	0.74	
Enjoying nature	Panel	3208	2.72	2.15	<.001*
	Social Media	224	4.13	2.48	
Catching a ferry	Panel	3208	1.50	1.22	.079
	Social Media	224	1.42	1.14	

Notes: (1) \*Differences are significant at  $p < .05$

## 8.4 Correlations

Here we report correlations between waterway satisfaction scores and a range of other constructs. Note: calculations use dual catchment data, and combined datasets. Data for the Mid Brisbane Catchment contained < 40 participants and as a result, findings for this catchment may be less reliable due to small sample sizes.

Aggregated across the SEQ region, there is generally a very strong positive relationship between all the constructs and satisfaction, with overall, total sample correlations ranging from .487 to .861.

Regarding satisfaction and the nature relatedness scale, there were some catchments that continue to have either very weak or non-significant relationships: Mid Brisbane, Noosa and Stanley (noting that these catchments had very small sample sizes and therefore the correlations should be considered less reliable). Regarding the relationship between satisfaction with both use and accessibility, the relationship is consistently strong and positive across all 19 catchments.

While there were some within catchment variations where correlations increased or decreased over the past 12 months, visual inspection of the correlations suggests that, overall, the relationship between the constructs in 2022 is largely consistent with the previous year.

#### 8.4.1 Satisfaction and nature relatedness

Catchment	Correlations					
	2022	2021	2020	2019	2018	2017
Albert	.462***	.478***	.402**	.430**	.573**	.712***
Bremer	.370***	.425***	.116ns	.404**	.493**	.619***
Caboolture	.525***	.490***	.501**	.508**	.519**	.669***
Lockyer	.319***	.254*	.298**	.430**	.391**	.478***
Logan	.447***	.400***	.293**	.332**	.404**	.596***
Lower Brisbane	.542***	.500***	.395**	.512**	.443**	.646***
Maroochy	.532***	.588***	.377**	.510**	.486**	.683***
Mid Brisbane	.334ns	-.059ns	.424*	.019ns	.215ns	.634**
Mooloolah	.558***	.339**	.459**	.573**	.575**	.649***
Moreton Bay and Islands	.522***	.587***	.428**	n/a	n/a	n/a
Nerang	.439***	.433***	.458**	.533**	.498**	.632***
Noosa	.255ns	.263ns	.350**	.332**	.385**	.612***
Pimpama-Coomera	.413***	.493***	.505**	.483**	.585**	.579***
Pine	.555***	.464***	.460**	.464**	.518**	.657***
Pumicestone	.594***	.462***	.379**	.417**	.545**	.618***
Redland	.489***	.458***	.426**	.378**	.499**	.702***
Stanley	.266ns	.417ns	.308ns	.317*	.318**	.538*
Tallebudgera-Currumbin	.457***	.575**	.535**	.585**	.526**	.781***
Upper Brisbane	.724***	.419***	.328ns	.511**	.291ns	.787***
TOTAL SAMPLE	.487***	.490***	.414**	.451**	.488***	.637***

Notes: ns =  $p > .05$ , \* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ . Spearman's rho is used for 2022, 2021 and 2020 correlation coefficients due to the non-normal distribution of the responses

## 8.4.2 Satisfaction and usability

Catchment	Correlations					
	2022	2021	2020	2019	2018	2017
Albert	.869***	.896***	.735**	.852**	.884**	.844***
Bremer	.865***	.800***	.713**	.913**	.854**	.868***
Caboolture	.830***	.882***	.819**	.897**	.931**	.882***
Lockyer	.852***	.839***	.853**	.895**	.897**	.88***
Logan	.847***	.896***	.808**	.886**	.886**	.876***
Lower Brisbane	.834***	.835***	.771**	.877**	.862**	.868***
Maroochy	.857***	.862***	.695**	.863**	.889**	.878***
Mid Brisbane	.614**	.799***	.703**	.791**	.804**	.825***
Mooloolah	.789***	.829***	.732**	.919**	.873**	.858***
Moreton Bay and Islands	.779***	.795***	.712**	n/a	n/a	n/a
Nerang	.845***	.778***	.797**	.884**	.884**	.899***
Noosa	.798***	.582***	.793**	.837**	.869**	.912***
Pimpama-Coomera	.827***	.872***	.802**	.892**	.893**	.876***
Pine	.884***	.830***	.822**	.867**	.882**	.891***
Pumicestone	.822***	.883***	.795**	.903**	.874**	.898***
Redland	.825***	.878***	.766**	.880**	.846**	.832***
Stanley	.829***	.837***	.713**	.881**	.671**	.884***
Tallebudgera-Currumbin	.859***	.895***	.806**	.898**	.850**	.908***
Upper Brisbane	.785***	.815***	.881**	.938**	.932**	.957***
TOTAL SAMPLE	.861***	.859***	.813**	.894**	.888**	.884***

Notes: ns =  $p > .05$ , \* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ . Spearman's rho is used for 2022, 2021 and 2020 correlation coefficients due to the non-normal distribution of the responses

### 8.4.3 Satisfaction and accessibility

Catchment	Correlations					
	2022	2021	2020	2019	2018	2017
Albert	.803***	.870***	.459**	.692**	.682**	.783***
Bremer	.776***	.759***	.519**	.757**	.675**	.682***
Caboolture	.821***	.806***	.644**	.701**	.726**	.692***
Lockyer	.723***	.777***	.685**	.687**	.770**	.712***
Logan	.781***	.841***	.648**	.735**	.760**	.713***
Lower Brisbane NEW	.743***	.757***	.601**	.720**	.750**	.680***
Maroochy	.756***	.799***	.600**	.666**	.816**	.783***
Mid Brisbane	.511**	.783***	.558**	.582**	.542*	.671***
Mooloolah	.725***	.769***	.651**	.808**	.792**	.603***
Moreton Bay and Islands	.876***	.814***	.640**	n/a	n/a	n/a
Nerang	.764***	.745***	.632**	.760**	.770**	.746***
Noosa	.767***	.495***	.678**	.666**	.743**	.758***
Pimpama-Coomera	.759***	.819***	.692**	.763**	.786**	.653***
Pine	.818***	.725***	.657**	.680**	.776**	.720***
Pumicestone	.789***	.751***	.661**	.843**	.763**	.734***
Redland	.782***	.844***	.718**	.754**	.767**	.685***
Stanley	.671***	.814***	.751**	.718**	.601**	.586***
Tallebudgera-Currumbin	.603***	.810***	.612**	.733**	.756**	.831***
Upper Brisbane	.681***	.724***	.602**	.678**	.849**	.650***
TOTAL SAMPLE	.794***	.793***	.669**	.752**	.773**	.721***

Notes: ns =  $p > .05$ , \* $p < .05$ , \*\* $p < .01$ , \*\*\* $p < .001$ . Spearman's rho is used for 2022, 2021 and 2020 correlation coefficients due to the non-normal distribution of the responses

## 9 Additional analysis

A range of additional measures were included within the survey to better understand community perceptions of flooding as well as community understanding and appreciation of Moreton Bay. These additional measures will be interrogated by extensive statistical analysis, specific to each research question. Brief summary statistics only are provided here. The more detailed analysis will be prepared for scientific publications.

### 9.1 Flood Exposure and Impacts

In addition to impacts on both our natural and built assets, floods have a range of social impacts, including the mental and physical health of the community. Following the February 2022 flood, a number of questions were added to the survey to explore the relationship between both flood exposure (i.e., the extent to which the participant was exposed to flood water) and perceived flood impacts (i.e., across household, physical, mental, economic impacts), as well as how flood exposure influences support for government investment in flood and disaster resilience.

#### 9.1.1 Flood exposure and flood impacts

To gauge recent exposure to flooding, the participants were asked to describe their worst experience of flooding over the previous six months on a 5-point scale ranging from 1 = *My suburb did not experience flooding* to 5 = *Flood waters came into my house*.

The below table shows that around two-thirds of participants indicated that had some exposure to flooding, with just over one quarter (26.2%) of the participants had experienced flooding in their house or yard.

Catchment	Frequency	Percent	Cumulative percent
Floodwaters came into my house	268	8.4%	8.4%
Floodwaters came into my yard but not into the house	571	17.8%	26.2%
Floodwaters came into my street, but not my yard or house	381	11.9%	38.1%
Floodwaters came into my suburb, but not my street	958	29.9%	68.0%
My suburb did not experience flooding	1025	32.0%	100.0%

To assess the extent to which SEQ community members were negatively impacted by the floods, the participants were asked to respond to 10 statements assessing various psychological, mental, and physical impacts on a scale from 1 = *not impacted* to 6 = *strongly impacted*.

The responses (see below graph) show that damage to waterways or coastal areas in their local area and/or damage to natural areas were most prevalent, whereby 3 in 4 participants indicated some level of impact. Around 2 out of every 5 participants reported impacts to their own or their family's physical health and/or damage to their home or possessions.

As could be expected there was a strong relationship between flood exposure and perceived flood impacts, such that people that reported high levels of flood exposure were also more likely

to report high levels of impacts, with the strongest relationship between flood exposure and damage to home or possessions ( $r = 0.571, p < .001$ ) and the weakest relationship between flood exposure and perceived damage to waterways or coastal areas ( $r = 0.345, p < .001$ ).

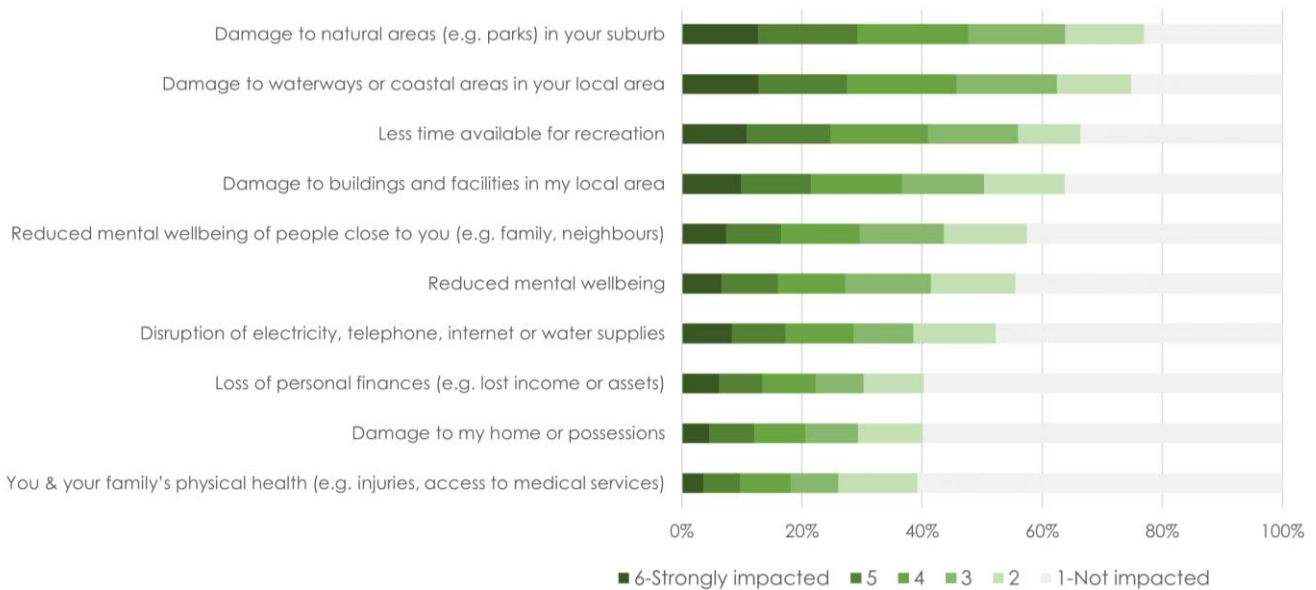


Figure 2 Percent of participants impacted by flooding (N = 3203)

### 9.1.2 Does flood exposure impact support for government investment in flood and disaster resilience?

The survey participants were asked about their willingness to sign a petition being administrated by Health Land and Water advocating for greater investment in flood and disaster resilience in South East Queensland. As can be seen in the below graph, there was a notable variation in terms of willingness to sign the petition and flood exposure whereby those participants that reported high levels of exposure to flooding (i.e., flood waters came into their house or yard) are much more willing to sign the petition compared to those that did not experience any flooding in their suburb.

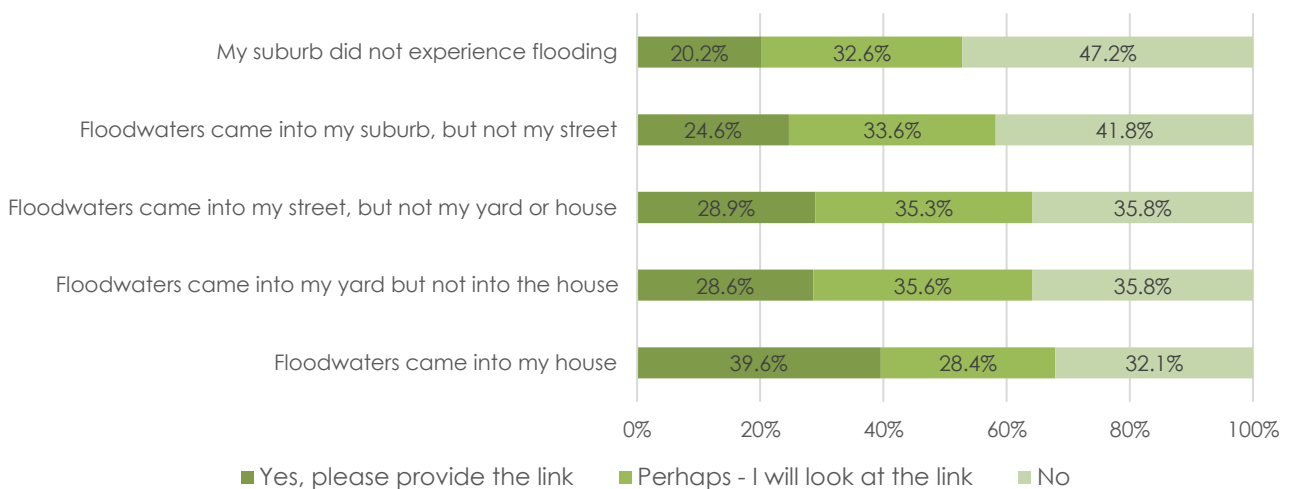


Figure 3 Percent of participants willing to sign a petition (N = 3203)

The survey participants were also asked to indicate how important it is for governments to invest in a) activities that manage land in way that protects rivers and waterways in South East

Queensland and b) activities that tackle climate change on a scale from 1 = *Not at all important* to 10 = *Very important*.

It is worth noting that across the two questions, support was very high. The mean score for investment in protecting rivers and waterways was 8.43 (SD = 1.66, N = 3203) on a 10-point scale. This did not vary depending on exposure to flooding ( $p > .05$ ). However, while support for investment in tackling climate change was also high, with an overall mean score of 7.86 (SD = 2.49, N = 3206), support did vary depending on your exposure to flooding whereby those that did not experience any flooding had a significantly lower score ( $M = 7.61$ ,  $SD = 2.68$ ) when compared to those that reported some exposure to flooding ( $M$ 's  $> 7.93$ ,  $SD$ 's  $> 2.14$ ,  $p$ 's  $< .001$ ).

## 9.2 Community understanding and appreciation of the diverse values of Moreton Bay

The aim of this set of questions was to understand South East Queenslanders perspectives of Moreton Bay and the Moreton Bay Marine Park, including:

- What features of Moreton Bay are highly salient to South East Queenslanders?
- What do South East Queensland value about Moreton Bay?
- What do South East Queensland know about the ecosystem services provided by Moreton Bay?
- What do South East Queenslanders think about the health of the Moreton Bay?
- What do South East Queenslanders know about the Marine Park and it's functions?
- How supportive are South East Queenslanders of the Marine Park and the strategies that are used to manage Moreton Bay?
- Where do South East Queenslanders find out information about the Marine Park?

These insights will be used to develop behaviour change recommendations and strategies that will, if implemented successfully, promote safe habitats for local wildlife by reducing the impact of human disturbances and can be used to promote support for policy and legislation changes for the Marine Park.

### 9.2.1 How often do South East Queenslanders visit Moreton Bay?

As can be seen in in the below figure, only around 1 in 10 participants visit Moreton Bay at least weekly. The most common response was "never" representing nearly one-third of all participants, followed by "once or twice" in the past year.







Figure 6 "When you think about Moreton Bay, what particular place comes to mind?" (N = 3168)

When asked "what is the first animal that comes to mind", the most popular response was dolphins, followed closely by dugongs, birds, whales and koalas (see below figure).

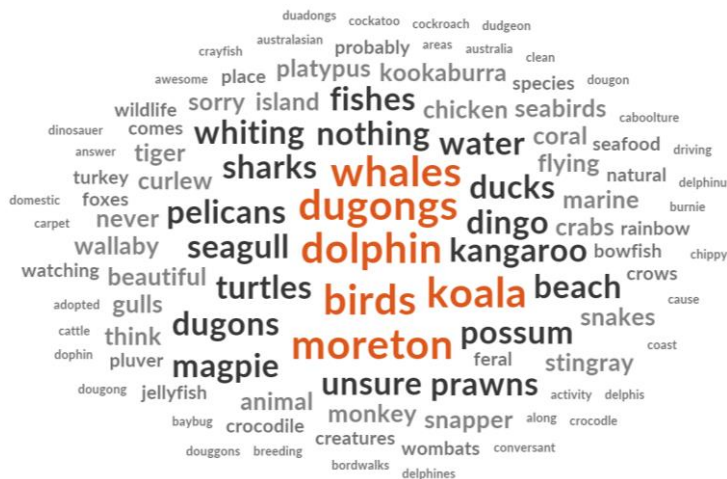


Figure 7 "When you think about Moreton Bay, what is the first animal that comes to mind?" (N = 1563)

Participants were also asked how they would describe Moreton Bay to a friend or family member visiting from out of town. While the responses were varied some typical responses have been provided below:

*"Beautiful sand islands"*

*"Great place for walking and having picnics"*

*"Good fishing"*

*"A lovely place to experience beaches, islands and good fishing"*

*"Lovely waterway close to Brisbane and plenty to see and do"*

*"Come over and take a ferry to visit one of the unique islands in Moreton Bay. Discover the remarkably clean white beaches of Moreton and North Stradbroke."*

Lastly, survey participants were given the opportunity to nominate if there was a part of Moreton Bay that is special to them. Approximately 30% of participants answered yes. When asked to describe what is special, some typical responses have been provided below:



### 9.2.3 What do SEQ residents value about Moreton Bay?

Survey participants were asked to respond to a series of statements describing various benefits and values in relation to Moreton Bay on a 5-point scale from 1 = *strongly disagree* to 6 = *strongly agree*. The below table summarises the pattern of responses.

Just over one-quarter of participants disagreed with the statement "Moreton Bay does not provide any benefit to me". Across the board, participants overwhelmingly agreed that Moreton Bay is important for both the economy, for recreation and for future generations. Importantly, a large proportion of participants hold high bequest values for Moreton Bay. That is, they agreed that "knowing that unspoiled natural places exist in Moreton Bay was important to them" without any direct benefits to themselves or others.

	N	M	SD
Moreton Bay does not provide any benefits to me*	3204	2.56	1.56
Moreton Bay is important because it provides jobs and income for South East Queenslanders	3204	4.79	1.16
Moreton Bay is important because it's a popular recreation and tourism destination	3202	4.91	1.15
Moreton Bay is important because it provides jobs and income for South East Queenslanders	3204	4.79	1.16
Moreton Bay is important because it's a popular recreation and tourism destination	3202	4.91	1.15
Knowing that unspoiled natural places exist in Moreton Bay is important to me	3204	4.88	1.25
Moreton Bay should be kept healthy for future generations	3202	5.34	1.04

Notes: \*Items will be reverse coded for additional analyses.

### 9.2.4 What do SEQ residents know about Moreton Bay? And what excites them the most?

Participants were asked to indicate whether they had heard or read different things about Moreton Bay on a scale from 1 = *Not at all new to me* to 5 = *Totally new to me*. The below table

describes the pattern of responses. The mean of all items was above the scale mid-point (2.5) indicating that overall, this information was new to the majority of participants.

Generally, awareness of the listed features of Moreton Bay was around the mid-point of the scale. While around one-third of participants felt confident that they had heard of dugongs, this number dropped significantly when considering migratory shorebirds (less than one-quarter) as well as corals and six species of sea turtles (less than 1 in 5 participants).

	N	M	SD
If you heard that there were corals in Moreton Bay...	3207	3.05	1.31
If you heard that there was an important dugong population in Moreton Bay...	3206	2.72	1.49
If you heard that Moreton Bay was home to endangered birds that migrate from the northern hemisphere....	3204	2.79	1.37
If you heard that six species of sea turtle are found in Moreton Bay...	3205	3.09	1.32

Following on from awareness, the participants were also asked what excites them the most from the features described. Participants were asked to respond on a 6-point scale from 1 = *Not at all excited* to 6 = *Very excited*. The below table describes the pattern of responses.

We see the opposite pattern of responses when compared to awareness. While the score for awareness was highest for corals, this was considered the least exciting feature of Moreton Bay. Instead, participants indicated that they were most excited to know that there are six species of sea turtles found in Moreton Bay. It should be noted however that a) across the four features the scores were all high, b) the differences in mean scores are negligible and c) that the higher scores for sea turtles and dugongs may simply be a function of the fact that it was perceived as new knowledge and therefore 'exciting' for that reason.

How excited would you be to know...	N	M	SD
...there are corals in Moreton Bay?	3206	4.67	1.23
...there are important dugong populations in Moreton Bay?	3207	4.88	1.20
...that Moreton Bay is home to endangered birds that migrate from the Northern Hemisphere?	3207	4.75	1.25
...there are six species of sea turtle are found in Moreton Bay?	3205	5.01	1.12

### 9.2.5 How do SEQ residents describe the health of Moreton Bay?

Participants were asked about their perceptions about the health of Moreton Bay and were asked to describe the health of various aspects of Moreton Bay on a 6-point scale from 1 = Very unhealthy to 7 = Very healthy. The below describes the pattern of responses.

Overall, most participants indicated that they felt that health of Moreton Bay was positive, with around two-thirds of participants answering above the mid-point of the scale.

	N	M	SD
How would you describe the overall health of Moreton Bay?	3206	5.06	1.33
How would you describe the water quality in Moreton Bay?	3206	5.00	1.42
How would you describe the health of the natural environment in Moreton Bay?	3207	5.04	1.36

When asked if they felt the health of Moreton Bay was improving or worsening, responses again trended towards 'improving', with most responses above the mid-point of the scale (see below figure).

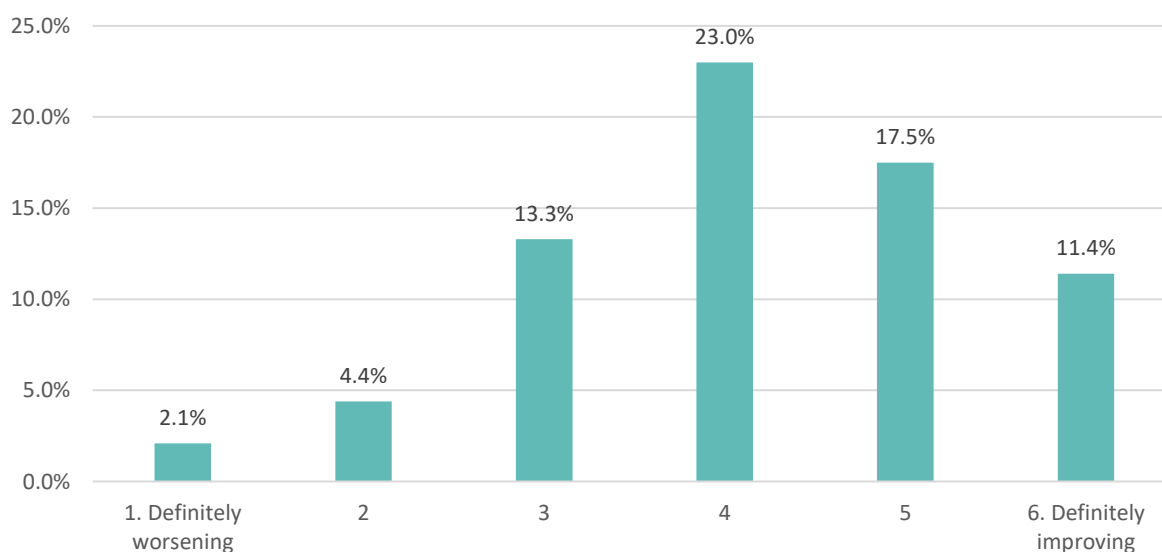


Figure 8 "In your opinion, do you think the health of Moreton Bay is improving or worsening?" (N = 3206)

### 9.2.6 Do South East Queenslanders value Moreton Bay for its seafood?

Participants were first asked how often they purchased seafood sourced from Moreton Bay over the past 12 months? The most common responses were either "I don't know..." or "I don't purchase seafood" (see below figure). This was followed by "every few months". Only a very small proportion (around 1 in 10) regularly purchase seafood from Moreton Bay.

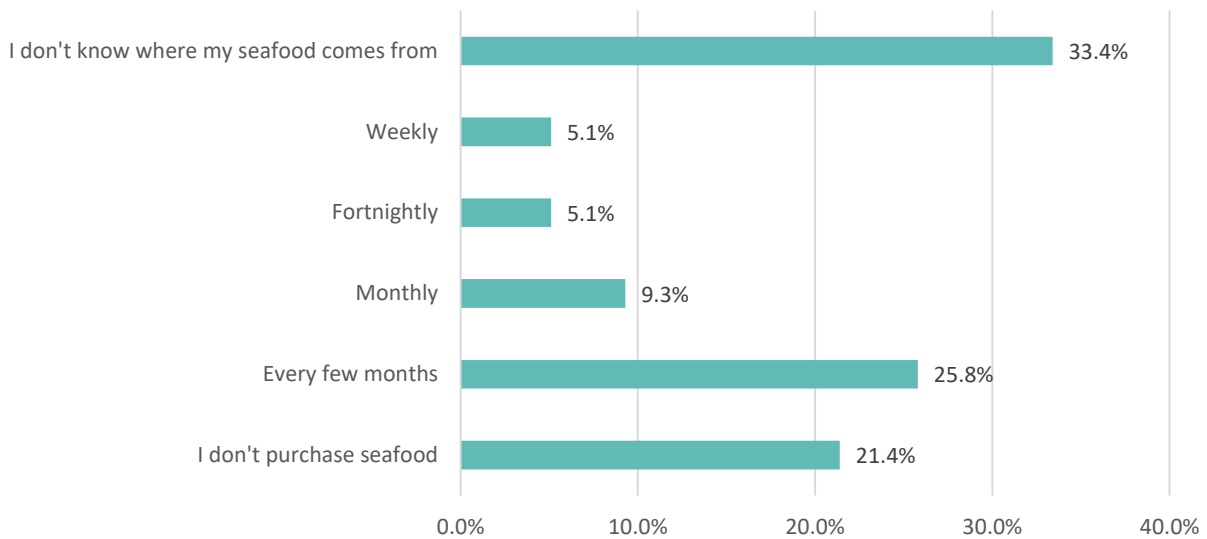


Figure 9 "In the last 12 months, how often have you or your household purchased seafood sourced from Moreton Bay?" (N = 2306)

Participants were asked the degree to which they would prefer their seafood be sourced from Moreton Bay. Almost three quarters indicated that they would prefer seafood sourced from Moreton Bay, with responses were evenly split between those that prefer a lot, those that prefer a little and for those that it does not matter (see below figure).

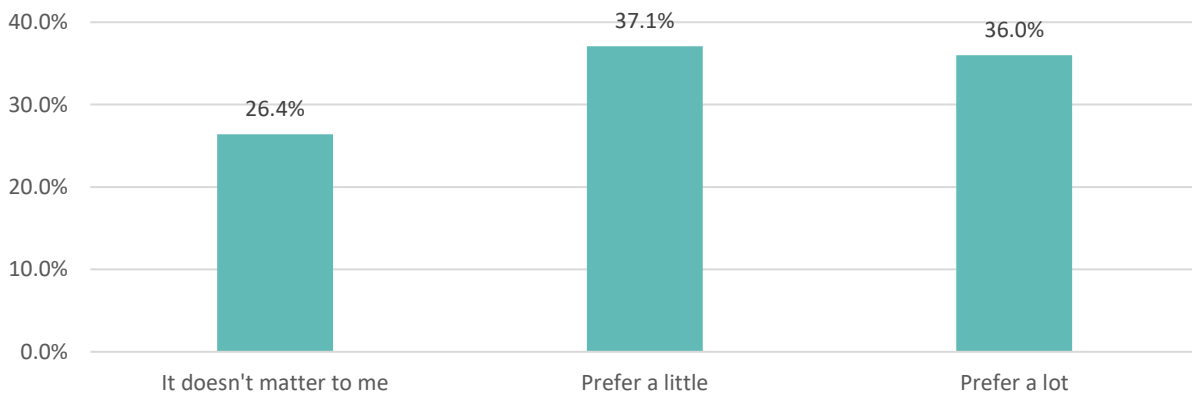


Figure 10 "To what degree would you prefer your seafood to be sourced from Moreton Bay? (as opposed to further away)" (N = 2519)

Participants were also asked about the type of seafood that they purchase from Moreton Bay, with shellfish being the most popular response, followed by fin fish (see below figure).

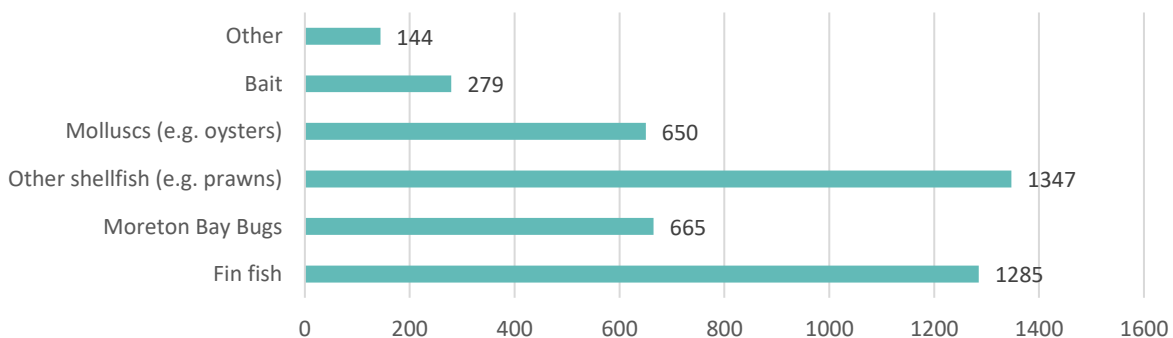


Figure 11 "What type of seafood do you usually purchase?" (n = 3218)

In terms of willingness to use a mobile app or check a website to find out which seafood choices are most sustainable, a small majority indicated that they are at least moderately willing by selecting above the mid-point of the 6-point scale (see below figure).

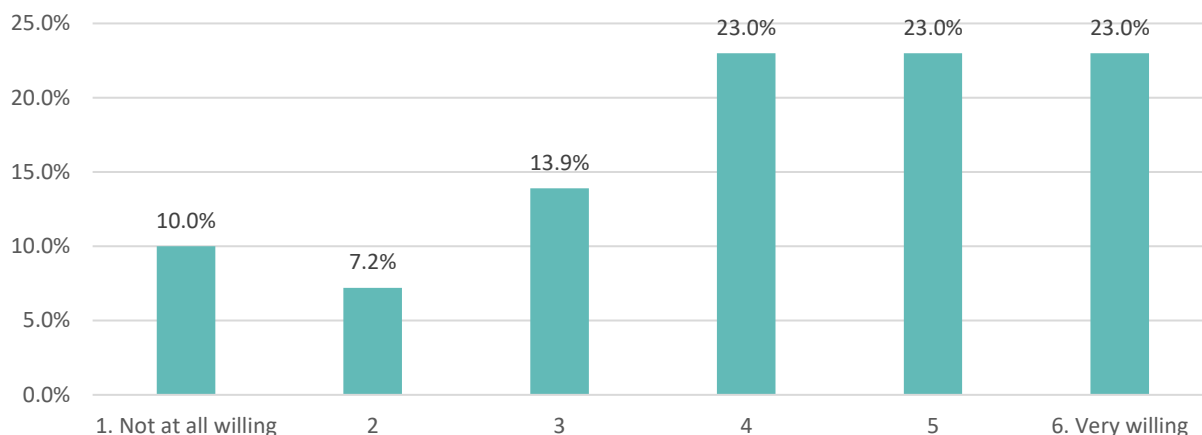


Figure 12 “How willing are you to use a mobile app or check a website to find out which seafood choices are most sustainable?” (N = 2521)

### 9.2.7 Are South East Queenslanders aware of the Moreton Bay Marine Park?

Survey participants were asked whether they had heard of the Moreton Bay Marine Park. Around 1 in 4 participants (25.4%) were confident that they were aware of the Marine Park (see below figure). Around 50% were either unsure or did not think they had heard of the Marine Park.

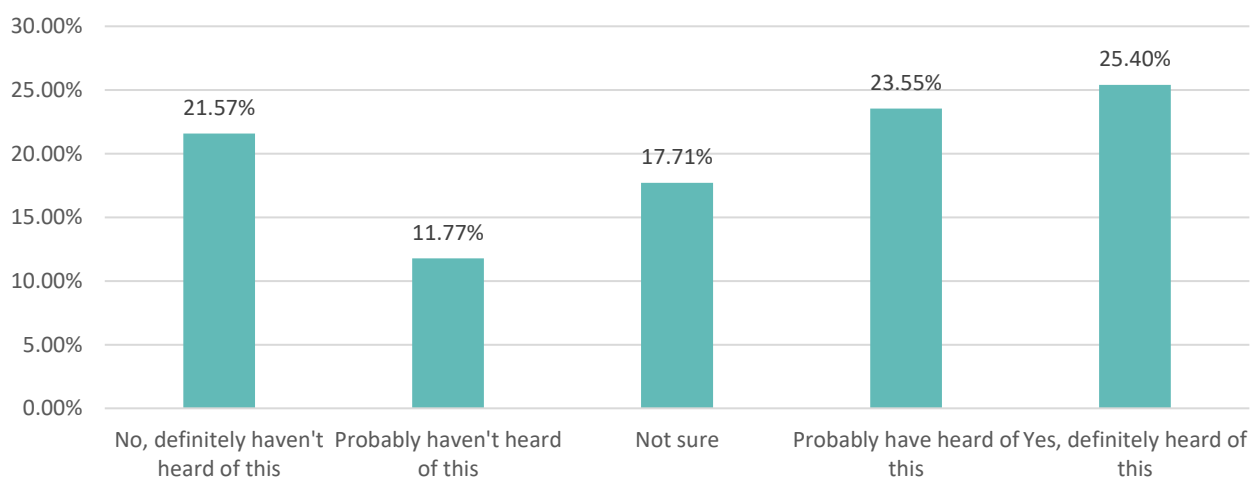


Figure 13 “Have you heard of Moreton Bay Marine Park?” (N = 3186)

When additionally asked “How would you rate your knowledge about Moreton Bay Marine Park”, the overall scores were very low (see below figure). On the 5-point scale, the mean score was below the mid-point at 2.22 (SD = 1.32). Two-thirds of the participants had either no or very little knowledge of the Marine Park. Even among those that had definitely heard of the Marine Park (n = 810), only 22.2% rated their knowledge above the mid-point of the scale (i.e., that they had strong or very strong knowledge of the Marine Park).

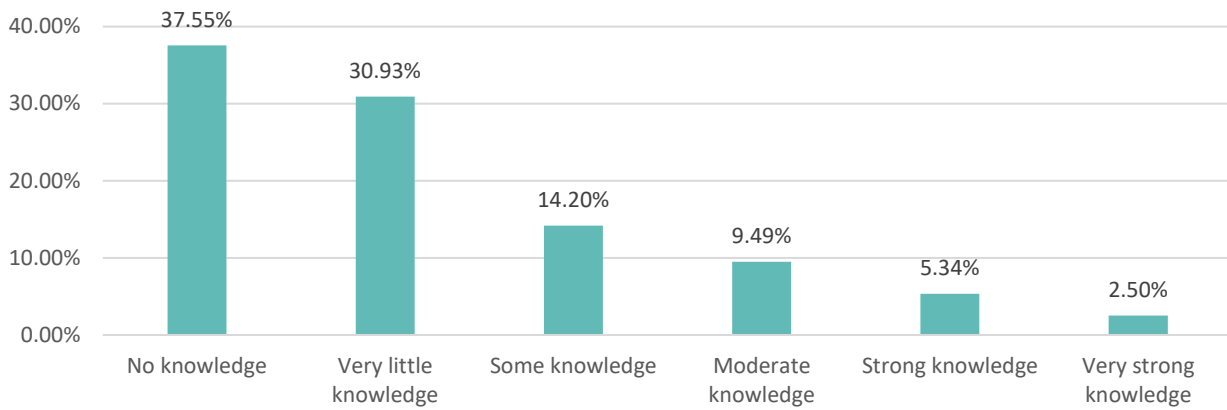


Figure 14 "How would you rate your knowledge about Moreton Bay Marine Park?" (N = 3184)

### 9.2.8 What do SEQ residents see as the core functions of the Marine Park?

Survey participants were first asked to describe what 'managing the Marine Park' involves. While the responses were varied some typical responses have been provided below:

*"Managing of Marine Park involves zoning the activities allowed inside the water and restrictions on some recreational activities"*

*"Licences for boating and fishing."*

*"Removing/preventing rubbish and vehicle pollution."*

*"Environmental protection"*

*"Monitoring and maintaining the various ecosystems"*

*"Keep the environment clean and green"*

To better understand the extent of SEQ residents' awareness of the Marine Park, participants were asked to respond to a series of statements describing the variations functions and features of the Marine Park on a five-point scale (where 1 = *strongly disagree* to 5 = *strongly agree*). The below table describes the pattern of responses.



	N	M	SD	% "Don't Know"
Zones and permits reduce impacts on high-use and sensitive areas	3206	3.82	.80	31.8%
The Marine Park protects shorebirds	3203	3.78	.78	33.4%
The Marine Park supports a wide range of recreational activities	3205	3.64	.79	41.2%
The Marine Park prohibits a wide range of recreational activities	3205	3.38	.82	50.6%
Fishing is not allowed within any part of the Marine Park*	3206	3.34	.91	52.4%
I know where to find out information about what activities are allowed in the Marine Park	3206	3.30	1.00	37.5%
Motor vessels are not allowed in Go slow areas*	3204	3.20	.88	54.5%
The Marine Park manages activities in the water but not on the shoreline*	3204	2.99	.87	55.1%

NOTES: \*These items will be reverse scored for any additional analysis

The highest level of awareness was in relation to zones and permits being used to reduce impacts on high-use and sensitive areas, as well as protecting shorebirds. Just over half of participants agree that the Marine Park supports a wide range of recreational activities.

However, as would be expected given the earlier scores in relation to overall knowledge of the Marine Park, the proportion of "don't know" responses to the more specific questions were quite high (ranging from approximately 30% to 55%). This was especially true in relation to: knowing what recreational activities are prohibited; whether fishing is allowed in the Marine Park; knowing where motor vessels can go; and, whether the Marine Park manages activities both in the water and on the shoreline.

#### 9.2.9 Where do SEQ residents get information about the Marine Park from?

Participants were asked to indicate whether they had used a range of information sources to find out about Moreton Bay Marine Park (see below figure).

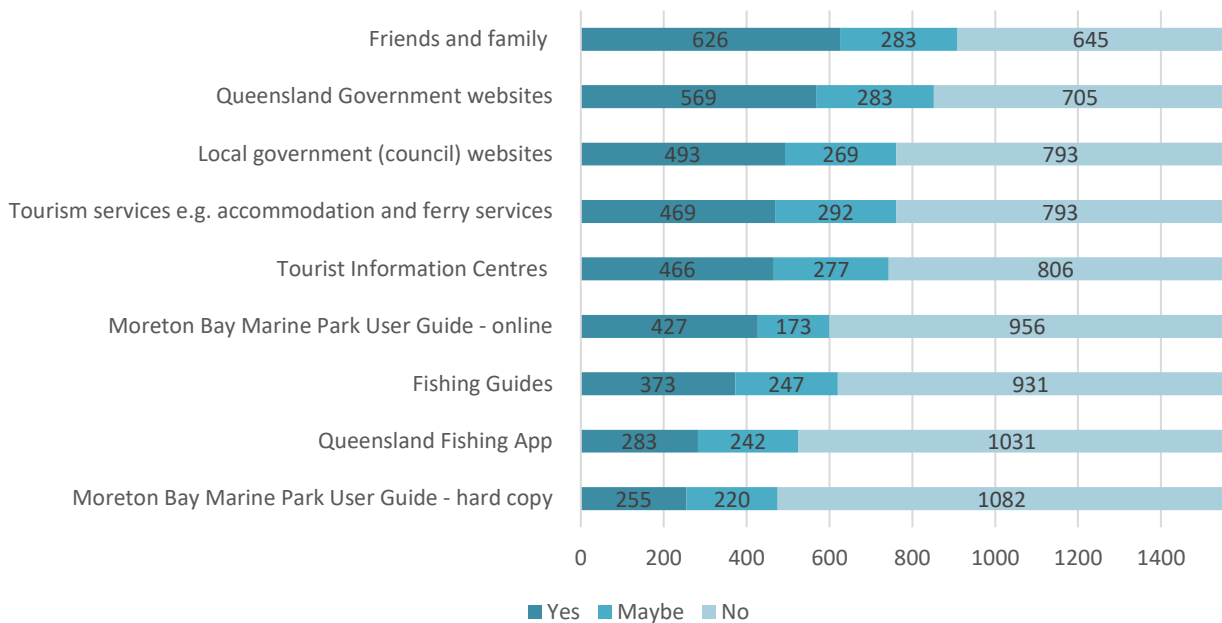


Figure 15 “Have you used any of the following to find out about Moreton Bay Marine Park?” (N = 1556)

The most popular source of information was friends and family, followed by government websites (both state and local). The hard copy of the Moreton Bay Marine Park User guide was the least used information source (representing around 7% of all participants).

Following this question, participants were asked to indicate which information sources would they most likely to access as convenient and trusted source of information? Participants were able to select up to three options. The options are listed in order of preference below with the proportion of responses that selected that source in brackets:

- Moreton Bay Marine Park User Guide - online (31.3%)
- Queensland Government websites (23.9%)
- Tourist Information Centres (11.6%)
- Friends and family (11.1%)
- Moreton Bay Marine Park User Guide - hard copy (9.0%)
- Local government (council) websites (8.4%)
- Tourism services e.g. accommodation and ferry services (8.1%)
- Fishing Guides (6.6%)
- Queensland Fishing App (5.2%)

Despite only 12.4% of participants indicating that they had accessed the Moreton Bay Marine Park User Guide previously, this was the ranked highest among all the information sources in terms of preferences.

#### 9.2.10 Which management strategies do South East Queenslanders support for the Marine Park?

There are many different approaches to managing Moreton Bay. Participants were presented with a list of different strategies that might be used to manage Moreton Bay and asked to select

which strategies there are most supportive of. Participants could select up to three. The strategies are listed in order of preference below with the proportion of participants that selected that strategy in brackets:

- Protecting wetlands and coastal areas from coastal development (47.5%)
- Investment in managing pollution coming from urban stormwater (28.8%)
- Stronger enforcement of rules to prevent mud and pollution running from farms and industries into rivers and Moreton Bay (28.3%)
- Creating more 'green zones' – areas where fishing is not allowed (26.5%)
- Community education programs to improve knowledge about the natural environment of Moreton Bay (23.6%)
- Investing in upgrading sewage treatment processes (22.3%)
- Providing subsidies for farmers and industries to help them prevent mud and pollution running into rivers and Moreton Bay (21.1%)
- Stronger enforcement of rules about using the bay, such as 'go slow' areas and fishing zones (20.6%)
- Investing in campaigns that encourage people to 'do the right thing' in protecting Moreton Bay (18.6%)
- Creating more infrastructure for visitors to Moreton Bay (16.6%)

By a significant margin, the most popular strategy is "protecting wetlands and coastal areas from coastal development". There was very little difference in terms of support for several the strategies, with many being nominated by around one-quarter of the participants. The least popular strategy was creating more infrastructure for visitors.

#### 9.2.11 Are South East Queenslanders willing and able to protect Moreton Bay?

Survey participants were presented with several statements related to their ability to protect Moreton Bay. They were asked to respond to the statements on a 6-point scale from 1 = *Does not reflect my view* to 6 = *Definitely reflects my view*. The below table describes the pattern of responses.

There is strong agreement that caring and protecting Moreton Bay is important to South East Queenslanders. And while most participants agree that there are things that they can do to help, the scores were lower when it came to feeling that actions are easy to do and that those actions will have an impact, with only around half of participants answering above the mid-point for those two statements.

	N	M	SD
There are things I can do to help Moreton Bay	3203	4.02	1.41
It is easy for me to do things that help Moreton Bay	3203	3.76	1.47
My personal actions are unlikely to influence Moreton Bay*	3205	3.55	1.60
It's important for people like me to help care for Moreton Bay	3201	4.43	1.35
It's important for people in South East Queensland to help care for Moreton Bay	3203	4.83	1.15
It's hard for me to do things that help Moreton Bay*	3203	3.52	1.53

Notes: \*These items will be reverse scored for any additional analysis

Participants were also asked to how willing they were to undertake to some more specific actions on a 10-point scale from 0 = *Not at all willing* to 10 = *Very willing*. The below table describes the pattern of responses.

Overall, the participants indicated that they are very willing to tell others about the natural features and encourage them to look after Moreton Bay (greater than 4 out of 5 participants answering above the mid-point). While it was not as high, a large majority of participants (nearly 3 out of 4) were willing to share information online.

How willing are you...	N	M	SD
... to tell others about the natural features of Moreton Bay?	3205	7.23	2.41
... to encourage others to look after Moreton Bay?	3204	7.48	2.35
... to share information (e.g. via social media, email or brochure) about how to care for Moreton Bay?	3202	6.28	2.96

## 10 Catchment reporting

The following section provides specific descriptive information about demographics and waterway use (i.e., how frequently the participants undertake the activities when using or visiting a LOCAL waterway) for each catchment. NB Specific catchment findings for social indicators are reported in the above sections. To minimise sample biases due to self-selection, the below data is from panel participants only.

### 10.1 Albert catchment (N = 54)

#### 10.1.1 Participant's individual characteristics – Albert

Characteristic	Response category	N	%
Age	18-24 years	2	3.7
	25-34 years	18	33.3
	35-44 years	6	11.1
	45-54 years	6	11.1
	55-64 years	9	16.7
	65+ years	13	24.1
Gender	Male	38	70.4
	Female	16	29.6
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	2	3.7
	High school	14	25.9
	Certificate or diploma	22	40.7
	Apprenticeship or trade certificate	3	5.6
	Bachelor's Degree	6	11.1
	Postgraduate Degree	7	13.0
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	26	48.1
	Unemployed and looking for work	4	7.4
	Unemployed and not seeking work	4	7.4
	Retired	13	24.1
	Student	3	5.6
	Caring for others (unpaid)	2	3.7
	Something else (please specify)	2	3.7
Income	Below \$88,000	34	63.0
	About \$88,000	6	11.1
	Above, \$88,000	9	16.7
	Prefer not to say	5	9.3
Country of Birth	Australia	43	79.6
	Other	11	20.4
Language at home	English	49	90.7
	Other	5	9.3

10.1.2 Use and frequency of activities – Albert

Characteristic	Response category	N	%
Picnics, BBQs	Never	28	51.9
	Almost every day	-	-
	Every week	4	7.4%
	Every fortnight	2	3.7%
	Every month	8	14.8%
	Once or twice a year	12	22.2%
	Every few years	-	-
Walking, running	Never	24	44.44%
	Almost every day	8	14.81%
	Every week	7	12.96%
	Every fortnight	3	5.56%
	Every month	7	12.96%
	Once or twice a year	5	9.26%
	Every few years	-	-
Swimming	Never	47	87.04%
	Almost every day	-	-
	Every week	1	1.85%
	Every fortnight	1	1.85%
	Every month	1	1.85%
	Once or twice a year	4	7.41%
	Every few years	-	-
Cycling	Never	1	51
	Almost every day	-	-
	Every week	2	3.70%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	1.85%
	Every few years	-	-
4WD driving, trail bike riding	Never	51	94.44%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	2	3.70%
	Once or twice a year	1	1.85%
	Every few years	-	-
Jet skiing, water skiing	Never	53	98.15%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	1.85%

Characteristic	Response category	N	%
Camping	Every few years	-	-
	Never	49	90.74%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	1.85%
	Every month	3	5.56%
	Once or twice a year	1	1.85%
Recreational fishing	Every few years	-	-
	Never	47	87.04%
	Almost every day	-	-
	Every week	1	1.85%
	Every fortnight	-	-
	Every month	2	3.70%
	Once or twice a year	4	7.41%
Boating, sailing	Every few years	-	-
	Never	50	92.59%
	Almost every day	-	-
	Every week	1	1.85%
	Every fortnight	-	-
	Every month	1	1.85%
	Once or twice a year	2	3.70%
Rowing, kayaking, canoeing	Every few years	-	-
	Never	49	90.74%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	3.70%
	Every month	3	5.56%
	Once or twice a year	-	-
Surfing, kite-surfing, sail boarding	Every few years	-	-
	Never	51	94.44%
	Almost every day	-	-
	Every week	1	1.85%
	Every fortnight	1	1.85%
	Every month	-	-
	Once or twice a year	1	1.85%
Scuba diving, snorkelling	Every few years	-	-
	Never	-	-
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	30	55.56%
	Almost every day	2	3.70%
	Every week	7	12.96%
	Every fortnight	4	7.41%
	Every month	6	11.11%
	Once or twice a year	5	9.26%
	Every few years	-	-
Catching a ferry	Never	52	96.30%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	3.70%
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.2 Bremer catchment (N = 166)

### 10.2.1 Participant's individual characteristics – Bremer

Characteristic	Response category	N	%
Age	18-24 years	28	16.9
	25-34 years	38	22.9
	35-44 years	26	15.7
	45-54 years	25	15.1
	55-64 years	28	16.9
	65+ years	21	12.7
Gender	Male	93	56.0
	Female	71	42.8
	Non binary	2	1.2
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	3	1.8
	High school	49	29.5
	Certificate or diploma	57	34.3
	Apprenticeship or trade certificate	7	4.2
	Bachelor's Degree	28	16.9
	Postgraduate Degree	21	12.7
	Other qualification (please specify)	1	0.6
Current primary employment	Working at all (incl fulltime, part time, or self employed)	89	53.6
	Unemployed and looking for work	10	6.0
	Unemployed and not seeking work	8	4.8
	Retired	30	18.1
	Student	10	6.0
	Caring for others (unpaid)	10	6.0
	Something else (please specify)	9	5.4
Income	Below \$88,000	79	47.6
	About \$88,000	24	14.5
	Above, \$88,000	52	31.3
	Prefer not to say	11	6.6
Country of Birth	Australia	147	88.6
	Other	19	11.4
Language at home	English	162	97.6
	Other	4	2.4

## 10.2.2 Use and frequency of activities – Bremer

Characteristic	Response category	N	%
Picnics, BBQs	Never	100	60.2%
	Almost every day	4	2.41%
	Every week	7	4.2%
	Every fortnight	4	2.4%
	Every month	16	9.6%
	Once or twice a year	33	19.9%
	Every few years	2	1.20%
Walking, running	Never	77	46.39%
	Almost every day	13	7.83%
	Every week	20	12.05%
	Every fortnight	23	13.86%
	Every month	18	10.84%
	Once or twice a year	15	9.04%
	Every few years	-	-
Swimming	Never	135	81.33%
	Almost every day	11	6.63%
	Every week	4	2.41%
	Every fortnight	7	4.22%
	Every month	8	4.82%
	Once or twice a year	1	0.60%
	Every few years	135	81.33%
Cycling	Never	146	87.95%
	Almost every day	2	1.20%
	Every week	9	5.42%
	Every fortnight	1	0.60%
	Every month	3	1.81%
	Once or twice a year	4	2.41%
	Every few years	1	0.60%
4WD driving, trail bike riding	Never	153	92.17%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	6	3.61%
	Every month	5	3.01%
	Once or twice a year	2	1.20%
	Every few years	-	-
Jet skiing, water skiing	Never	163	98.19%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	1	0.60%
	Once or twice a year	1	0.60%
	Every few years	1	0.60%

Characteristic	Response category	N	%
Camping	Never	149	89.76%
	Almost every day	-	-
	Every week	2	1.20%
	Every fortnight	3	1.81%
	Every month	5	3.01%
	Once or twice a year	7	4.22%
	Every few years	-	-
Recreational fishing	Never	147	88.55%
	Almost every day	-	-
	Every week	4	2.41%
	Every fortnight	5	3.01%
	Every month	4	2.41%
	Once or twice a year	6	3.61%
	Every few years	-	-
Boating, sailing	Never	160	96.39%
	Almost every day	-	-
	Every week	1	0.60%
	Every fortnight	1	0.60%
	Every month	2	1.20%
	Once or twice a year	2	1.20%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	154	92.77%
	Almost every day	1	0.60%
	Every week	1	0.60%
	Every fortnight	2	1.20%
	Every month	1	0.60%
	Once or twice a year	6	3.61%
	Every few years	1	0.60%
Surfing, kite-surfing, sail boarding	Never	159	95.78%
	Almost every day	1	0.60%
	Every week	3	1.81%
	Every fortnight	1	0.60%
	Every month	1	0.60%
	Once or twice a year	1	0.60%
	Every few years	-	-
Scuba diving, snorkelling	Never	162	97.59%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	0.60%
	Every month	1	0.60%
	Once or twice a year	1	0.60%
	Every few years	1	0.60%

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	94	56.63%
	Almost every day	12	7.23%
	Every week	14	8.43%
	Every fortnight	12	7.23%
	Every month	19	11.45%
	Once or twice a year	14	8.43%
	Every few years	1	0.60%
Catching a ferry	Never	149	89.76%
	Almost every day		
	Every week	1	0.60%
	Every fortnight	2	1.20%
	Every month	3	1.81%
	Once or twice a year	10	6.02%
	Every few years	1	0.60%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.3 Caboolture catchment (N = 126)

### 10.3.1 Participant's individual characteristics – Caboolture

Characteristic	Response category	N	%
Age	18-24 years	13	10.3
	25-34 years	17	13.5
	35-44 years	28	22.2
	45-54 years	18	14.3
	55-64 years	18	14.3
	65+ years	32	25.4
Gender	Male	74	58.7
	Female	52	41.3
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	2	1.6
	High school	45	35.7
	Certificate or diploma	52	41.3
	Apprenticeship or trade certificate	4	3.2
	Bachelor's Degree	14	11.1
	Postgraduate Degree	8	6.3
	Other qualification (please specify)	1	0.8
Current primary employment	Working at all (incl fulltime, part time, or self employed)	59	46.8
	Unemployed and looking for work	3	2.4
	Unemployed and not seeking work	8	6.3
	Retired	34	27.0
	Student	5	4.0
	Caring for others (unpaid)	10	7.9
	Something else (please specify)	7	5.6
Income	Below \$88,000	71	56.3
	About \$88,000	11	8.7
	Above, \$88,000	39	31.0
	Prefer not to say	5	4.0
Country of Birth	Australia	107	84.9
	Other	19	15.1
Language at home	English	124	98.4
	Other	2	1.6

### 10.3.2 Use and frequency of activities – Caboolture

Characteristic	Response category	N	%
Picnics, BBQs	Never	48	38.1%
	Almost every day	1	0.79%
	Every week	3	2.4%
	Every fortnight	9	7.1%
	Every month	27	21.4%
	Once or twice a year	37	29.4%
	Every few years	1	0.79%
Walking, running	Never	40	31.75%
	Almost every day	16	12.70%
	Every week	14	11.11%
	Every fortnight	17	13.49%
	Every month	21	16.67%
	Once or twice a year	17	13.49%
	Every few years	1	0.79%
Swimming	Never	99	78.57%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	4	3.17%
	Every month	12	9.52%
	Once or twice a year	10	7.94%
	Every few years	1	0.79%
Cycling	Never	107	84.92%
	Almost every day	2	1.59%
	Every week	3	2.38%
	Every fortnight	7	5.56%
	Every month	4	3.17%
	Once or twice a year	3	2.38%
	Every few years	-	-
4WD driving, trail bike riding	Never	116	92.06%
	Almost every day	-	-
	Every week	2	1.59%
	Every fortnight	-	-
	Every month	5	3.97%
	Once or twice a year	3	2.38%
	Every few years	-	-
Jet skiing, water skiing	Never	122	96.83%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	4	3.17%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	111	88.10%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	3.17%
	Once or twice a year	11	8.73%
	Every few years	-	-
Recreational fishing	Never	87	69.05%
	Almost every day	-	-
	Every week	2	1.59%
	Every fortnight	6	4.76%
	Every month	14	11.11%
	Once or twice a year	17	13.49%
	Every few years	-	-
Boating, sailing	Never	109	86.51%
	Almost every day	-	-
	Every week	1	0.79%
	Every fortnight	2	1.59%
	Every month	6	4.76%
	Once or twice a year	7	5.56%
	Every few years	1	0.79%
Rowing, kayaking, canoeing	Never	114	90.48%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	3	2.38%
	Every month	3	2.38%
	Once or twice a year	6	4.76%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	126	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
Scuba diving, snorkelling	Never	125	99.21%
	Almost every day	-	-
	Every week	1	0.79%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	63	50.00%
	Almost every day	7	5.56%
	Every week	13	10.32%
	Every fortnight	9	7.14%
	Every month	18	14.29%
	Once or twice a year	16	12.70%
	Every few years	-	-
Catching a ferry	Never	122	96.83%
	Almost every day	1	0.79%
	Every week	1	0.79%
	Every fortnight	-	-
	Every month	1	0.79%
	Once or twice a year	1	0.79%
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.4 Lockyer catchment (N = 103)

### 10.4.1 Participant's individual characteristics – Lockyer

Characteristic	Response category	N	%
Age	18-24 years	17	16.5
	25-34 years	24	23.3
	35-44 years	22	21.4
	45-54 years	9	8.7
	55-64 years	13	12.6
	65+ years	18	17.5
Gender	Male	61	59.2
	Female	40	38.8
	Non binary	1	1.0
	Prefer to describe as	1	1.0
	Prefer not to say	-	-
Education completed	Primary school	1	1.0
	High school	17	16.5
	Certificate or diploma	37	35.9
	Apprenticeship or trade certificate	8	7.8
	Bachelor's Degree	28	27.2
	Postgraduate Degree	11	10.7
	Other qualification (please specify)	1	1.0
Current primary employment	Working at all (incl fulltime, part time, or self employed)	63	61.8
	Unemployed and looking for work	3	2.9
	Unemployed and not seeking work	1	1.0
	Retired	21	20.6
	Student	7	6.9
	Caring for others (unpaid)	4	3.9
	Something else (please specify)	3	2.9
Income	Below \$88,000	36	35.3
	About \$88,000	20	19.6
	Above, \$88,000	41	40.2
	Prefer not to say	5	4.9
Country of Birth	Australia	89	86.4
	Other	14	13.6
Language at home	English	98	95.1
	Other	5	4.9

### 10.4.3 Use and frequency of activities – Lockyer

Characteristic	Response category	N	%
Picnics, BBQs	Never	49	47.6%
	Almost every day	4	3.88%
	Every week	7	6.8%
	Every fortnight	2	1.9%
	Every month	23	22.3%
	Once or twice a year	17	16.5%
	Every few years	1	0.97%
Walking, running	Never	51	49.51%
	Almost every day	12	11.65%
	Every week	12	11.65%
	Every fortnight	7	6.80%
	Every month	8	7.77%
	Once or twice a year	10	9.71%
	Every few years	3	2.91%
Swimming	Never	90	87.38%
	Almost every day	3	2.91%
	Every week	2	1.94%
	Every fortnight	-	-
	Every month	2	1.94%
	Once or twice a year	6	5.83%
	Every few years	-	-
Cycling	Never	95	92.23%
	Almost every day	2	1.94%
	Every week	1	0.97%
	Every fortnight	1	0.97%
	Every month	3	2.91%
	Once or twice a year	-	-
	Every few years	1	0.97%
4WD driving, trail bike riding	Never	93	90.29%
	Almost every day	-	-
	Every week	2	1.94%
	Every fortnight	4	3.88%
	Every month	3	2.91%
	Once or twice a year	1	0.97%
	Every few years	-	-
Jet skiing, water skiing	Never	97	94.17%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	4	3.88%
	Every month	2	1.94%
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	1	92
	Almost every day	-	-
	Every week	1	0.97%
	Every fortnight	2	1.94%
	Every month	4	3.88%
	Once or twice a year	3	2.91%
	Every few years	1	0.97%
Recreational fishing	Never	90	87.38%
	Almost every day	1	0.97%
	Every week	1	0.97%
	Every fortnight	1	0.97%
	Every month	2	1.94%
	Once or twice a year	7	6.80%
	Every few years	1	0.97%
Boating, sailing	Never	92	89.32%
	Almost every day	2	1.94%
	Every week	1	0.97%
	Every fortnight	1	0.97%
	Every month	4	3.88%
	Once or twice a year	3	2.91%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	91	88.35%
	Almost every day	-	-
	Every week	1	0.97%
	Every fortnight	4	3.88%
	Every month	4	3.88%
	Once or twice a year	3	2.91%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	94	91.26%
	Almost every day	2	1.94%
	Every week	2	1.94%
	Every fortnight	1	0.97%
	Every month	3	2.91%
	Once or twice a year	1	0.97%
	Every few years	-	-
Scuba diving, snorkelling	Never	97	94.17%
	Almost every day	-	-
	Every week	5	4.85%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	0.97%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	69	66.99%
	Almost every day	6	5.83%
	Every week	5	4.85%
	Every fortnight	4	3.88%
	Every month	8	7.77%
	Once or twice a year	10	9.71%
	Every few years	1	0.97%
Catching a ferry	Never	97	94.17%
	Almost every day	2	1.94%
	Every week	1	0.97%
	Every fortnight	1	0.97%
	Every month	1	0.97%
	Once or twice a year	-	-
	Every few years	1	0.97%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.5 Logan catchment (N = 311)

### 10.5.1 Participant's individual characteristics – Logan

Characteristic	Response category	N	%
Age	18-24 years	35	11.3
	25-34 years	55	17.7
	35-44 years	71	22.8
	45-54 years	45	14.5
	55-64 years	42	13.5
	65+ years	63	20.3
Gender	Male	182	58.5
	Female	129	41.5
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	2	0.6
	High school	100	32.3
	Certificate or diploma	99	31.9
	Apprenticeship or trade certificate	16	5.2
	Bachelor's Degree	62	20.0
	Postgraduate Degree	26	8.4
	Other qualification (please specify)	5	1.6
Current primary employment	Working at all (incl fulltime, part time, or self employed)	153	49.2
	Unemployed and looking for work	20	6.4
	Unemployed and not seeking work	18	5.8
	Retired	70	22.5
	Student	12	3.9
	Caring for others (unpaid)	22	7.1
	Something else (please specify)	16	5.1
Income	Below \$88,000	151	48.6
	About \$88,000	39	12.5
	Above, \$88,000	96	30.9
	Prefer not to say	25	8.0
Country of Birth	Australia	244	78.7
	Other	66	21.3
Language at home	English	281	90.4
	Other	30	9.6

## 10.5.2 Use and frequency of activities – Logan

Characteristic	Response category	N	%
Picnics, BBQs	Never	183	58.8%
	Almost every day	4	1.29%
	Every week	6	1.9%
	Every fortnight	21	6.8%
	Every month	37	11.9%
	Once or twice a year	56	18.0%
	Every few years	4	1.29%
Walking, running	Never	132	42.44%
	Almost every day	33	10.61%
	Every week	54	17.36%
	Every fortnight	18	5.79%
	Every month	39	12.54%
	Once or twice a year	33	10.61%
	Every few years	2	0.64%
Swimming	Never	262	84.24%
	Almost every day	3	0.96%
	Every week	10	3.22%
	Every fortnight	8	2.57%
	Every month	14	4.50%
	Once or twice a year	13	4.18%
	Every few years	1	0.32%
Cycling	Never	269	86.50%
	Almost every day	3	0.96%
	Every week	19	6.11%
	Every fortnight	6	1.93%
	Every month	5	1.61%
	Once or twice a year	9	2.89%
	Every few years	-	-
4WD driving, trail bike riding	Never	292	93.89%
	Almost every day	1	0.32%
	Every week	2	0.64%
	Every fortnight	5	1.61%
	Every month	5	1.61%
	Once or twice a year	6	1.93%
	Every few years	-	-
Jet skiing, water skiing	Never	302	97.11%
	Almost every day	1	0.32%
	Every week	1	0.32%
	Every fortnight	1	0.32%
	Every month	3	0.96%
	Once or twice a year	3	0.96%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	283	91.00%
	Almost every day	-	-
	Every week	4	1.29%
	Every fortnight	3	0.96%
	Every month	6	1.93%
	Once or twice a year	15	4.82%
	Every few years	-	-
Recreational fishing	Never	246	79.10%
	Almost every day	3	0.96%
	Every week	12	3.86%
	Every fortnight	14	4.50%
	Every month	18	5.79%
	Once or twice a year	16	5.14%
	Every few years	2	0.64%
Boating, sailing	Never	292	93.89%
	Almost every day	-	-
	Every week	4	1.29%
	Every fortnight	5	1.61%
	Every month	6	1.93%
	Once or twice a year	4	1.29%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	290	93.25%
	Almost every day	-	-
	Every week	3	0.96%
	Every fortnight	4	1.29%
	Every month	8	2.57%
	Once or twice a year	5	1.61%
	Every few years	1	0.32%
Surfing, kite-surfing, sail boarding	Never	302	97.11%
	Almost every day	2	0.64%
	Every week	-	-
	Every fortnight	3	0.96%
	Every month	3	0.96%
	Once or twice a year	1	0.32%
	Every few years	-	-
Scuba diving, snorkelling	Never	305	98.07%
	Almost every day	2	0.64%
	Every week	1	0.32%
	Every fortnight	1	0.32%
	Every month	-	-
	Once or twice a year	2	0.64%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	208	66.88%
	Almost every day	21	6.75%
	Every week	17	5.47%
	Every fortnight	14	4.50%
	Every month	22	7.07%
	Once or twice a year	24	7.72%
	Every few years	5	1.61%
Catching a ferry	Never	287	92.28%
	Almost every day	1	0.32%
	Every week	5	1.61%
	Every fortnight	2	0.64%
	Every month	6	1.93%
	Once or twice a year	8	2.57%
	Every few years	2	0.64%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.6 Lower Brisbane catchment (N = 1114)

### 10.6.1 Participant's individual characteristics – Lower Brisbane

Characteristic	Response category	N	%
Age	18-24 years	180	16.2
	25-34 years	260	23.3
	35-44 years	224	20.1
	45-54 years	142	12.7
	55-64 years	121	10.9
	65+ years	187	16.8
Gender	Male	590	53.0
	Female	517	46.4
	Non binary	7	0.6
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	15	1.3
	High school	252	22.6
	Certificate or diploma	266	23.9
	Apprenticeship or trade certificate	38	3.4
	Bachelor's Degree	303	27.2
	Postgraduate Degree	231	20.7
	Other qualification (please specify)	735	66.0
Current primary employment	Working at all (incl fulltime, part time, or self employed)	64	5.7
	Unemployed and looking for work	30	2.7
	Unemployed and not seeking work	175	15.7
	Retired	67	6.0
	Student	21	1.9
	Caring for others (unpaid)	22	2.0
	Something else (please specify)	459	41.2
Income	Below \$88,000	128	11.5
	About \$88,000	447	40.2
	Above, \$88,000	79	7.1
	Prefer not to say	868	78.0
Country of Birth	Australia	245	22.0
	Other	1113	100.0
Language at home	English	969	87.0
	Other	145	13.0

10.6.2 Use and frequency of activities – Lower Brisbane

Characteristic	Response category	N	%
Picnics, BBQs	Never	549	49.3%
	Almost every day	24	2.15%
	Every week	49	4.4%
	Every fortnight	69	6.2%
	Every month	172	15.4%
	Once or twice a year	241	21.6%
	Every few years	10	0.90%
Walking, running	Never	310	27.83%
	Almost every day	144	12.93%
	Every week	258	23.16%
	Every fortnight	115	10.32%
	Every month	175	15.71%
	Once or twice a year	99	8.89%
	Every few years	13	1.17%
Swimming	Never	940	84.38%
	Almost every day	10	0.90%
	Every week	41	3.68%
	Every fortnight	21	1.89%
	Every month	55	4.94%
	Once or twice a year	44	3.95%
	Every few years	3	0.27%
Cycling	Never	867	77.83%
	Almost every day	23	2.06%
	Every week	70	6.28%
	Every fortnight	55	4.94%
	Every month	57	5.12%
	Once or twice a year	39	3.50%
	Every few years	3	0.27%
4WD driving, trail bike riding	Never	1058	94.97%
	Almost every day	3	0.27%
	Every week	17	1.53%
	Every fortnight	13	1.17%
	Every month	12	1.08%
	Once or twice a year	9	0.81%
	Every few years	2	0.18%
Jet skiing, water skiing	Never	1065	95.60%
	Almost every day	6	0.54%
	Every week	7	0.63%
	Every fortnight	10	0.90%
	Every month	14	1.26%
	Once or twice a year	12	1.08%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	1027	92.19%
	Almost every day	11	0.99%
	Every week	4	0.36%
	Every fortnight	17	1.53%
	Every month	28	2.51%
	Once or twice a year	26	2.33%
	Every few years	1	0.09%
Recreational fishing	Never	975	87.52%
	Almost every day	7	0.63%
	Every week	20	1.80%
	Every fortnight	28	2.51%
	Every month	38	3.41%
	Once or twice a year	44	3.95%
	Every few years	2	0.18%
Boating, sailing	Never	1040	93.36%
	Almost every day	3	0.27%
	Every week	10	0.90%
	Every fortnight	9	0.81%
	Every month	24	2.15%
	Once or twice a year	24	2.15%
	Every few years	4	0.36%
Rowing, kayaking, canoeing	Never	1035	92.91%
	Almost every day	7	0.63%
	Every week	10	0.90%
	Every fortnight	15	1.35%
	Every month	14	1.26%
	Once or twice a year	31	2.78%
	Every few years	2	0.18%
Surfing, kite-surfing, sail boarding	Never	1063	95.42%
	Almost every day	5	0.45%
	Every week	9	0.81%
	Every fortnight	10	0.90%
	Every month	16	1.44%
	Once or twice a year	8	0.72%
	Every few years	3	0.27%
Scuba diving, snorkelling	Never	1078	96.77%
	Almost every day	2	0.18%
	Every week	8	0.72%
	Every fortnight	7	0.63%
	Every month	12	1.08%
	Once or twice a year	5	0.45%
	Every few years	2	0.18%

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	646	57.99%
	Almost every day	57	5.12%
	Every week	112	10.05%
	Every fortnight	88	7.90%
	Every month	122	10.95%
	Once or twice a year	82	7.36%
	Every few years	7	0.63%
Catching a ferry	Never	789	70.83%
	Almost every day	12	1.08%
	Every week	45	4.04%
	Every fortnight	40	3.59%
	Every month	75	6.73%
	Once or twice a year	144	12.93%
	Every few years	9	0.81%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.7 Maroochy catchment (N = 144)

### 10.7.1 Participant's individual characteristics – Maroochy

Characteristic	Response category	N	%
Age	18-24 years	14	9.7
	25-34 years	27	18.8
	35-44 years	22	15.3
	45-54 years	16	11.1
	55-64 years	22	15.3
	65+ years	43	29.9
Gender	Male	71	49.3
	Female	71	49.3
	Non binary	1	0.7
	Prefer to describe as	-	-
	Prefer not to say	1	0.7
Education completed	Primary school	1	0.7
	High school	40	27.8
	Certificate or diploma	37	25.7
	Apprenticeship or trade certificate	10	6.9
	Bachelor's Degree	32	22.2
	Postgraduate Degree	23	16.0
	Other qualification (please specify)	1	0.7
Current primary employment	Working at all (incl fulltime, part time, or self employed)	71	49.3
	Unemployed and looking for work	4	2.8
	Unemployed and not seeking work	8	5.6
	Retired	45	31.3
	Student	6	4.2
	Caring for others (unpaid)	3	2.1
	Something else (please specify)	7	4.9
Income	Below \$88,000	74	51.4
	About \$88,000	19	13.2
	Above, \$88,000	45	31.3
	Prefer not to say	6	4.2
Country of Birth	Australia	107	74.3
	Other	37	25.7
Language at home	English	137	95.1
	Other	7	4.9

## 10.7.2 Use and frequency of activities – Maroochy

Characteristic	Response category	N	%
Picnics, BBQs	Never	60	41.7%
	Almost every day	6	4.17%
	Every week	8	5.6%
	Every fortnight	11	7.6%
	Every month	34	23.6%
	Once or twice a year	24	16.7%
	Every few years	1	0.69%
Walking, running	Never	30	20.83%
	Almost every day	36	25.00%
	Every week	44	30.56%
	Every fortnight	13	9.03%
	Every month	13	9.03%
	Once or twice a year	7	4.86%
	Every few years	1	0.69%
Swimming	Never	84	58.33%
	Almost every day	2	1.39%
	Every week	19	13.19%
	Every fortnight	15	10.42%
	Every month	12	8.33%
	Once or twice a year	12	8.33%
	Every few years	-	-
Cycling	Never	110	76.39%
	Almost every day	8	5.56%
	Every week	7	4.86%
	Every fortnight	8	5.56%
	Every month	8	5.56%
	Once or twice a year	3	2.08%
	Every few years	-	-
4WD driving, trail bike riding	Never	135	93.75%
	Almost every day		
	Every week	2	1.39%
	Every fortnight	4	2.78%
	Every month	1	0.69%
	Once or twice a year	2	1.39%
	Every few years	-	-
Jet skiing, water skiing	Never	134	93.06%
	Almost every day	2	1.39%
	Every week	2	1.39%
	Every fortnight	1	0.69%
	Every month	4	2.78%
	Once or twice a year	-	-
	Every few years	1	0.69%

Characteristic	Response category	N	%
Camping	Never	121	84.03%
	Almost every day	3	2.08%
	Every week	1	0.69%
	Every fortnight	4	2.78%
	Every month	6	4.17%
	Once or twice a year	9	6.25%
	Every few years	-	-
Recreational fishing	Never	94	65.28%
	Almost every day	-	-
	Every week	7	4.86%
	Every fortnight	11	7.64%
	Every month	11	7.64%
	Once or twice a year	21	14.58%
	Every few years	-	-
Boating, sailing	Never	117	81.25%
	Almost every day	1	0.69%
	Every week	1	0.69%
	Every fortnight	1	0.69%
	Every month	12	8.33%
	Once or twice a year	10	6.94%
	Every few years	2	1.39%
Rowing, kayaking, canoeing	Never	127	88.19%
	Almost every day	1	0.69%
	Every week	2	1.39%
	Every fortnight	3	2.08%
	Every month	7	4.86%
	Once or twice a year	4	2.78%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	130	90.28%
	Almost every day	-	-
	Every week	6	4.17%
	Every fortnight	2	1.39%
	Every month	4	2.78%
	Once or twice a year	2	1.39%
	Every few years	-	-
Scuba diving, snorkelling	Never	135	93.75%
	Almost every day	-	-
	Every week	1	0.69%
	Every fortnight	1	0.69%
	Every month	5	3.47%
	Once or twice a year	2	1.39%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	67	46.53%
	Almost every day	16	11.11%
	Every week	21	14.58%
	Every fortnight	12	8.33%
	Every month	15	10.42%
	Once or twice a year	13	9.03%
	Every few years	67	46.53%
Catching a ferry	Never	130	90.28%
	Almost every day	1	0.69%
	Every week	1	0.69%
	Every fortnight	-	-
	Every month	1	0.69%
	Once or twice a year	7	4.86%
	Every few years	4	2.78%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.8 Mid Brisbane catchment (N = 17)

### 10.8.1 Participant's individual characteristics – Mid Brisbane

Characteristic	Response category	N	%
Age	18-24 years	1	5.9
	25-34 years	3	17.6
	35-44 years	3	17.6
	45-54 years	4	23.5
	55-64 years	1	5.9
	65+ years	5	29.4
Gender	Male	14	82.4
	Female	3	17.6
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	-	-
	High school	2	11.8
	Certificate or diploma	2	11.8
	Apprenticeship or trade certificate	2	11.8
	Bachelor's Degree	7	41.2
	Postgraduate Degree	3	17.6
	Other qualification (please specify)	1	5.9
Current primary employment	Working at all (incl fulltime, part time, or self employed)	10	58.8
	Unemployed and looking for work	-	-
	Unemployed and not seeking work	-	-
	Retired	4	23.5
	Student	-	-
	Caring for others (unpaid)	2	11.8
	Something else (please specify)	1	5.9
Income	Below \$88,000	7	41.2
	About \$88,000	1	5.9
	Above, \$88,000	9	52.9
	Prefer not to say	-	-
Country of Birth	Australia	16	94.1
	Other	1	5.9
Language at home	English	17	100.0
	Other	-	-

## 10.8.2 Use and frequency of activities – Mid Brisbane

Characteristic	Response category	N	%
Picnics, BBQs	Never	6	35.3%
	Almost every day	1	5.88%
	Every week	-	-
	Every fortnight	-	-
	Every month	2	11.8%
	Once or twice a year	7	41.2%
	Every few years	1	5.88%
Walking, running	Never	9	52.94%
	Almost every day	2	11.76%
	Every week	1	5.88%
	Every fortnight	1	5.88%
	Every month	2	11.76%
	Once or twice a year	2	11.76%
	Every few years	-	-
Swimming	Never	16	94.12%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	5.88%
	Every few years	-	-
Cycling	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
4WD driving, trail bike riding	Never	16	94.12%
	Almost every day	-	-
	Every week	1	5.88%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
Jet skiing, water skiing	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	15	88.24%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	1	5.88%
	Once or twice a year	1	5.88%
	Every few years	-	-
Recreational fishing	Never	14	82.35%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	1	5.88%
	Once or twice a year	2	11.76%
	Every few years	-	-
Boating, sailing	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
Rowing, kayaking, canoeing	Never	14	82.35%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	11.76%
	Every month	1	5.88%
	Once or twice a year	-	-
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
Scuba diving, snorkelling	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	12	70.59%
	Almost every day	2	11.76%
	Every week	1	5.88%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	2	11.76%
	Every few years	-	-
Catching a ferry	Never	17	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.9 Mooloolah catchment (N = 98)

### 10.9.1 Participant's individual characteristics – Mooloolah

Characteristic	Response category	N	%
Age	18-24 years	12	12.2
	25-34 years	15	15.3
	35-44 years	16	16.3
	45-54 years	9	9.2
	55-64 years	16	16.3
	65+ years	30	30.6
Gender	Male	55	56.1
	Female	42	42.9
	Non binary	1	1.0
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	7	7.1
	High school	32	32.7
	Certificate or diploma	31	31.6
	Apprenticeship or trade certificate	6	6.1
	Bachelor's Degree	10	10.2
	Postgraduate Degree	10	10.2
	Other qualification (please specify)	2	2.0
Current primary employment	Working at all (incl fulltime, part time, or self employed)	40	40.8
	Unemployed and looking for work	6	6.1
	Unemployed and not seeking work	5	5.1
	Retired	34	34.7
	Student	4	4.1
	Caring for others (unpaid)	4	4.1
	Something else (please specify)	5	5.1
Income	Below \$88,000	54	55.1
	About \$88,000	8	8.2
	Above, \$88,000	30	30.6
	Prefer not to say	6	6.1
Country of Birth	Australia	78	80.4
	Other	19	19.6
Language at home	English	92	94.8
	Other	5	5.2

## 10.9.2 Use and frequency of activities – Mooloolah

Characteristic	Response category	N	%
Picnics, BBQs	Never	49	50.0%
	Almost every day	2	2.04%
	Every week	3	3.1%
	Every fortnight	5	5.1%
	Every month	22	22.4%
	Once or twice a year	16	16.3%
	Every few years	1	1.02%
Walking, running	Never	24	24.49%
	Almost every day	21	21.43%
	Every week	27	27.55%
	Every fortnight	8	8.16%
	Every month	9	9.18%
	Once or twice a year	7	7.14%
	Every few years	2	2.04%
Swimming	Never	51	52.04%
	Almost every day	1	1.02%
	Every week	10	10.20%
	Every fortnight	8	8.16%
	Every month	13	13.27%
	Once or twice a year	15	15.31%
	Every few years	-	-
Cycling	Never	78	79.59%
	Almost every day	1	1.02%
	Every week	3	3.06%
	Every fortnight	4	4.08%
	Every month	8	8.16%
	Once or twice a year	3	3.06%
	Every few years	1	1.02%
4WD driving, trail bike riding	Never	92	93.88%
	Almost every day	-	-
	Every week	1	1.02%
	Every fortnight	1	1.02%
	Every month	1	1.02%
	Once or twice a year	3	3.06%
	Every few years	-	-
Jet skiing, water skiing	Never	88	89.80%
	Almost every day	-	-
	Every week	2	2.04%
	Every fortnight	1	1.02%
	Every month	1	1.02%
	Once or twice a year	5	5.10%
	Every few years	1	1.02%

Characteristic	Response category	N	%
Camping	Never	87	88.78%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	2.04%
	Every month	4	4.08%
	Once or twice a year	5	5.10%
	Every few years	-	-
Recreational fishing	Never	76	77.55%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	1.02%
	Every month	9	9.18%
	Once or twice a year	12	12.24%
	Every few years	-	-
Boating, sailing	Never	81	82.65%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	4.08%
	Once or twice a year	12	12.24%
	Every few years	1	1.02%
Rowing, kayaking, canoeing	Never	83	84.69%
	Almost every day	-	-
	Every week	1	1.02%
	Every fortnight	2	2.04%
	Every month	6	6.12%
	Once or twice a year	5	5.10%
	Every few years	1	1.02%
Surfing, kite-surfing, sail boarding	Never	89	90.82%
	Almost every day	1	1.02%
	Every week	-	-
	Every fortnight	3	3.06%
	Every month	1	1.02%
	Once or twice a year	4	4.08%
	Every few years	-	-
Scuba diving, snorkelling	Never	92	93.88%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	1.02%
	Every month	1	1.02%
	Once or twice a year	4	4.08%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	50	51.02%
	Almost every day	11	11.22%
	Every week	16	16.33%
	Every fortnight	3	3.06%
	Every month	8	8.16%
	Once or twice a year	10	10.20%
	Every few years	-	-
Catching a ferry	Never	91	92.86%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	2	2.04%
	Once or twice a year	1	1.02%
	Every few years	4	4.08%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.10 Moreton Bay and Islands catchment (N = 65)

### 10.10.1 Participant's individual characteristics – Moreton Bay and Islands

Characteristic	Response category	N	%
Age	18-24 years	3	4.6
	25-34 years	5	7.7
	35-44 years	7	10.8
	45-54 years	9	13.8
	55-64 years	8	12.3
	65+ years	33	50.8
Gender	Male	31	47.7
	Female	34	52.3
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	-	-
	High school	20	30.8
	Certificate or diploma	18	27.7
	Apprenticeship or trade certificate	4	6.2
	Bachelor's Degree	16	24.6
	Postgraduate Degree	6	9.2
	Other qualification (please specify)	1	1.5
Current primary employment	Working at all (incl fulltime, part time, or self employed)	28	43.1
	Unemployed and looking for work	4	6.2
	Unemployed and not seeking work	1	1.5
	Retired	27	41.5
	Student	1	1.5
	Caring for others (unpaid)	3	4.6
	Something else (please specify)	1	1.5
Born in Australia	Yes	45	69.2
	No	2	3.1
Income	Below \$88,000	15	23.1
	About \$88,000	3	4.6
	Above, \$88,000	50	76.9
	Prefer not to say	15	23.1
Country of Birth	Australia	60	92.3
	Other	5	7.7

### 10.10.2 Use and frequency of activities – Moreton Bay and Islands

Characteristic	Response category	N	%
Picnics, BBQs	Never	25	38.5%
	Almost every day	4	6.15%
	Every week	3	4.6%
	Every fortnight	5	7.7%
	Every month	13	20.0%
	Once or twice a year	15	23.1%
	Every few years	-	-
Walking, running	Never	12	18.46%
	Almost every day	21	32.31%
	Every week	23	35.38%
	Every fortnight	1	1.54%
	Every month	3	4.62%
	Once or twice a year	5	7.69%
	Every few years	-	-
Swimming	Never	35	53.85%
	Almost every day	2	3.08%
	Every week	6	9.23%
	Every fortnight	6	9.23%
	Every month	10	15.38%
	Once or twice a year	6	9.23%
	Every few years	-	-
Cycling	Never	54	83.08%
	Almost every day	-	-
	Every week	1	1.54%
	Every fortnight	4	6.15%
	Every month	2	3.08%
	Once or twice a year	4	6.15%
	Every few years	-	-
4WD driving, trail bike riding	Never	57	87.69%
	Almost every day	-	-
	Every week	1	1.54%
	Every fortnight	2	3.08%
	Every month	2	3.08%
	Once or twice a year	3	4.62%
	Every few years	-	-
Jet skiing, water skiing	Never	60	92.31%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	3.08%
	Every month	-	-
	Once or twice a year	3	4.62%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	60	92.31%
	Almost every day	-	-
	Every week	1	1.54%
	Every fortnight	1	1.54%
	Every month	1	1.54%
	Once or twice a year	2	3.08%
	Every few years	-	-
Recreational fishing	Never	35	53.85%
	Almost every day	3	4.62%
	Every week	6	9.23%
	Every fortnight	4	6.15%
	Every month	8	12.31%
	Once or twice a year	9	13.85%
	Every few years	-	-
Boating, sailing	Never	46	70.77%
	Almost every day	-	-
	Every week	3	4.62%
	Every fortnight	2	3.08%
	Every month	7	10.77%
	Once or twice a year	7	10.77%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	60	92.31%
	Almost every day	1	1.54%
	Every week	1	1.54%
	Every fortnight	1	1.54%
	Every month	-	-
	Once or twice a year	2	3.08%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	61	93.85%
	Almost every day	1	1.54%
	Every week	-	-
	Every fortnight	2	3.08%
	Every month	-	-
	Once or twice a year	1	1.54%
	Every few years	-	-
Scuba diving, snorkelling	Never	59	90.77%
	Almost every day	1	1.54%
	Every week	1	1.54%
	Every fortnight	-	-
	Every month	1	1.54%
	Once or twice a year	3	4.62%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	29	44.62%
	Almost every day	13	20.00%
	Every week	11	16.92%
	Every fortnight	5	7.69%
	Every month	7	10.77%
	Once or twice a year	-	-
	Every few years	-	-
Catching a ferry	Never	52	80.00%
	Almost every day	-	-
	Every week	6	9.23%
	Every fortnight	1	1.54%
	Every month	1	1.54%
	Once or twice a year	5	7.69%
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.11 Nerang catchment (N = 242)

### 10.11.1 Participant's individual characteristics – Nerang

Characteristic	Response category	N	%
Age	18-24 years	21	8.7
	25-34 years	40	16.5
	35-44 years	47	19.4
	45-54 years	37	15.3
	55-64 years	34	14.0
	65+ years	63	26.0
Gender	Male	128	52.9
	Female	114	47.1
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	3	1.2
	High school	56	23.1
	Certificate or diploma	74	30.6
	Apprenticeship or trade certificate	16	6.6
	Bachelor's Degree	62	25.6
	Postgraduate Degree	27	11.2
	Other qualification (please specify)	4	1.7
Current primary employment	Working at all (incl fulltime, part time, or self employed)	153	63.2
	Unemployed and looking for work	3	1.2
	Unemployed and not seeking work	4	1.7
	Retired	59	24.4
	Student	12	5.0
	Caring for others (unpaid)	5	2.1
	Something else (please specify)	6	2.5
Income	Below \$88,000	115	47.5
	About \$88,000	35	14.5
	Above, \$88,000	77	31.8
	Prefer not to say	15	6.2
Country of Birth	Australia	180	74.4
	Other	62	25.6
Language at home	English	217	90.0
	Other	24	10.0

### 10.11.2 Use and frequency of activities – Nerang

Characteristic	Response category	N	%
Picnics, BBQs	Never	92	38.0%
	Almost every day	13	5.37%
	Every week	10	4.1%
	Every fortnight	26	10.7%
	Every month	53	21.9%
	Once or twice a year	46	19.0%
	Every few years	2	0.83%
Walking, running	Never	45	18.60%
	Almost every day	62	25.62%
	Every week	73	30.17%
	Every fortnight	21	8.68%
	Every month	30	12.40%
	Once or twice a year	9	3.72%
	Every few years	2	0.83%
Swimming	Never	150	61.98%
	Almost every day	7	2.89%
	Every week	26	10.74%
	Every fortnight	12	4.96%
	Every month	26	10.74%
	Once or twice a year	21	8.68%
	Every few years	-	-
Cycling	Never	192	79.34%
	Almost every day	3	1.24%
	Every week	23	9.50%
	Every fortnight	7	2.89%
	Every month	12	4.96%
	Once or twice a year	5	2.07%
	Every few years	-	-
4WD driving, trail bike riding	Never	227	93.80%
	Almost every day	2	0.83%
	Every week	3	1.24%
	Every fortnight	3	1.24%
	Every month	4	1.65%
	Once or twice a year	2	0.83%
	Every few years	1	0.41%
Jet skiing, water skiing	Never	224	92.56%
	Almost every day	1	0.41%
	Every week	1	0.41%
	Every fortnight	2	0.83%
	Every month	7	2.89%
	Once or twice a year	6	2.48%
	Every few years	1	0.41%

Characteristic	Response category	N	%
Camping	Never	226	93.39%
	Almost every day	3	1.24%
	Every week	2	0.83%
	Every fortnight	-	-
	Every month	4	1.65%
	Once or twice a year	7	2.89%
	Every few years	-	-
Recreational fishing	Never	179	73.97%
	Almost every day	6	2.48%
	Every week	7	2.89%
	Every fortnight	4	1.65%
	Every month	30	12.40%
	Once or twice a year	16	6.61%
	Every few years	-	-
Boating, sailing	Never	195	80.58%
	Almost every day	1	0.41%
	Every week	3	1.24%
	Every fortnight	5	2.07%
	Every month	16	6.61%
	Once or twice a year	20	8.26%
	Every few years	2	0.83%
Rowing, kayaking, canoeing	Never	208	85.95%
	Almost every day	-	-
	Every week	5	2.07%
	Every fortnight	4	1.65%
	Every month	21	8.68%
	Once or twice a year	4	1.65%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	224	92.56%
	Almost every day	2	0.83%
	Every week	3	1.24%
	Every fortnight	8	3.31%
	Every month	4	1.65%
	Once or twice a year	1	0.41%
	Every few years	-	-
Scuba diving, snorkelling	Never	227	93.80%
	Almost every day	1	0.41%
	Every week	6	2.48%
	Every fortnight	2	0.83%
	Every month	1	0.41%
	Once or twice a year	5	2.07%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	140	57.85%
	Almost every day	17	7.02%
	Every week	35	14.46%
	Every fortnight	14	5.79%
	Every month	26	10.74%
	Once or twice a year	8	3.31%
	Every few years	2	0.83%
Catching a ferry	Never	203	83.88%
	Almost every day	3	1.24%
	Every week	4	1.65%
	Every fortnight	6	2.48%
	Every month	9	3.72%
	Once or twice a year	16	6.61%
	Every few years	1	0.41%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.12 Noosa catchment (N = 44)

### 10.12.1 Participant's individual characteristics – Noosa

Characteristic	Response category	N	%
Age	18-24 years	7	11.9
	25-34 years	7	11.9
	35-44 years	8	13.6
	45-54 years	8	13.6
	55-64 years	7	11.9
	65+ years	22	37.3
Gender	Male	34	57.6
	Female	25	42.4
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	2	3.4
	High school	11	18.6
	Certificate or diploma	23	39.0
	Apprenticeship or trade certificate	4	6.8
	Bachelor's Degree	16	27.1
	Postgraduate Degree	3	5.1
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	31	52.5
	Unemployed and looking for work	4	6.8
	Unemployed and not seeking work	-	-
	Retired	19	32.2
	Student	4	6.8
	Caring for others (unpaid)	1	1.7
	Something else (please specify)	-	-
Income	Below \$88,000	30	50.8
	About \$88,000	10	16.9
	Above, \$88,000	13	22.0
	Prefer not to say	6	10.2
Country of Birth	Australia	45	76.3
	Other	14	23.7
Language at home	English	55	93.2
	Other	4	6.8

## 10.12.2 Use and frequency of activities – Noosa

Characteristic	Response category	N	%
Picnics, BBQs	Never	13	22.0%
	Almost every day	2	3.39%
	Every week	7	11.9%
	Every fortnight	7	11.9%
	Every month	13	22.0%
	Once or twice a year	17	28.8%
	Every few years	-	-
Walking, running	Never	8	13.56%
	Almost every day	16	27.12%
	Every week	20	33.90%
	Every fortnight	8	13.56%
	Every month	4	6.78%
	Once or twice a year	3	5.08%
	Every few years	-	-
Swimming	Never	31	52.54%
	Almost every day	4	6.78%
	Every week	7	11.86%
	Every fortnight	8	13.56%
	Every month	4	6.78%
	Once or twice a year	5	8.47%
	Every few years	-	-
Cycling	Never	38	64.41%
	Almost every day	4	6.78%
	Every week	7	11.86%
	Every fortnight	5	8.47%
	Every month	2	3.39%
	Once or twice a year	3	5.08%
	Every few years	-	-
4WD driving, trail bike riding	Never	46	77.97%
	Almost every day	-	-
	Every week	1	1.69%
	Every fortnight	2	3.39%
	Every month	6	10.17%
	Once or twice a year	4	6.78%
	Every few years	-	-
Jet skiing, water skiing	Never	54	91.53%
	Almost every day	-	-
	Every week	2	3.39%
	Every fortnight	1	1.69%
	Every month	2	3.39%
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	52	88.14%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	1.69%
	Every month	2	3.39%
	Once or twice a year	4	6.78%
	Every few years	-	-
Recreational fishing	Never	47	79.66%
	Almost every day	-	-
	Every week	4	6.78%
	Every fortnight	-	-
	Every month	7	11.86%
	Once or twice a year	1	1.69%
	Every few years	-	-
Boating, sailing	Never	38	64.41%
	Almost every day	1	1.69%
	Every week	1	1.69%
	Every fortnight	2	3.39%
	Every month	11	18.64%
	Once or twice a year	6	10.17%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	48	81.36%
	Almost every day	-	-
	Every week	3	5.08%
	Every fortnight	1	1.69%
	Every month	6	10.17%
	Once or twice a year	1	1.69%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	51	86.44%
	Almost every day	2	3.39%
	Every week	4	6.78%
	Every fortnight	1	1.69%
	Every month	1	1.69%
	Once or twice a year	-	-
	Every few years	-	-
Scuba diving, snorkelling	Never	51	86.44%
	Almost every day	2	3.39%
	Every week	2	3.39%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	3	5.08%
	Every few years	1	1.69%

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	20	33.90%
	Almost every day	11	18.64%
	Every week	10	16.95%
	Every fortnight	3	5.08%
	Every month	10	16.95%
	Once or twice a year	5	8.47%
	Every few years	-	-
Catching a ferry	Never	39	66.10%
	Almost every day	1	1.69%
	Every week	1	1.69%
	Every fortnight	1	1.69%
	Every month	4	6.78%
	Once or twice a year	13	22.03%
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.13 Pimpama-Coomera catchment (N = 290)

### 10.13.1 Participant's individual characteristics – Pimpama-Coomera

Characteristic	Response category	N	%
Age	18-24 years	28	9.7
	25-34 years	52	17.9
	35-44 years	51	17.6
	45-54 years	47	16.2
	55-64 years	46	15.9
	65+ years	66	22.8
Gender	Male	180	62.1
	Female	109	37.6
	Non binary	-	-
	Prefer to describe as	1	0.3
	Prefer not to say	-	-
Education completed	Primary school	-	-
	High school	4	1.4
	Certificate or diploma	97	33.4
	Apprenticeship or trade certificate	81	27.9
	Bachelor's Degree	12	4.1
	Postgraduate Degree	61	21.0
	Other qualification (please specify)	35	12.1
Current primary employment	Working at all (incl fulltime, part time, or self employed)	168	57.9
	Unemployed and looking for work	14	4.8
	Unemployed and not seeking work	8	2.8
	Retired	69	23.8
	Student	11	3.8
	Caring for others (unpaid)	12	4.1
	Something else (please specify)	8	2.8
Income	Below \$88,000	140	48.3
	About \$88,000	24	8.3
	Above, \$88,000	103	35.5
	Prefer not to say	23	7.9
Country of Birth	Australia	196	67.6
	Other	94	32.4
Language at home	English	272	93.8
	Other	18	6.2

### 10.13.2 Use and frequency of activities – Pimpama-Coomera

Characteristic	Response category	N	%
Picnics, BBQs	Never	104	35.9%
	Almost every day	7	2.41%
	Every week	11	3.8%
	Every fortnight	22	7.6%
	Every month	69	23.8%
	Once or twice a year	74	25.5%
	Every few years	3	1.03%
Walking, running	Never	53	18.28%
	Almost every day	49	16.90%
	Every week	84	28.97%
	Every fortnight	27	9.31%
	Every month	49	16.90%
	Once or twice a year	25	8.62%
	Every few years	3	1.03%
Swimming	Never	182	62.76%
	Almost every day	2	0.69%
	Every week	17	5.86%
	Every fortnight	24	8.28%
	Every month	32	11.03%
	Once or twice a year	32	11.03%
	Every few years	1	0.34%
Cycling	Never	247	85.17%
	Almost every day	4	1.38%
	Every week	14	4.83%
	Every fortnight	8	2.76%
	Every month	11	3.79%
	Once or twice a year	6	2.07%
	Every few years	-	-
4WD driving, trail bike riding	Never	279	96.21%
	Almost every day	-	-
	Every week	3	1.03%
	Every fortnight	1	0.34%
	Every month	2	0.69%
	Once or twice a year	5	1.72%
	Every few years	-	-
Jet skiing, water skiing	Never	269	92.76%
	Almost every day	1	0.34%
	Every week	2	0.69%
	Every fortnight	5	1.72%
	Every month	7	2.41%
	Once or twice a year	6	2.07%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	270	93.10%
	Almost every day	-	-
	Every week	4	1.38%
	Every fortnight	-	-
	Every month	4	1.38%
	Once or twice a year	9	3.10%
	Every few years	3	1.03%
Recreational fishing	Never	217	74.83%
	Almost every day	1	0.34%
	Every week	6	2.07%
	Every fortnight	11	3.79%
	Every month	32	11.03%
	Once or twice a year	22	7.59%
	Every few years	1	0.34%
Boating, sailing	Never	236	81.38%
	Almost every day	1	0.34%
	Every week	1	0.34%
	Every fortnight	7	2.41%
	Every month	17	5.86%
	Once or twice a year	26	8.97%
	Every few years	2	0.69%
Rowing, kayaking, canoeing	Never	262	90.34%
	Almost every day	1	0.34%
	Every week	4	1.38%
	Every fortnight	4	1.38%
	Every month	11	3.79%
	Once or twice a year	8	2.76%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	280	96.55%
	Almost every day	-	-
	Every week	4	1.38%
	Every fortnight	1	0.34%
	Every month	3	1.03%
	Once or twice a year	2	0.69%
	Every few years	-	-
Scuba diving, snorkelling	Never	280	96.55%
	Almost every day	1	0.34%
	Every week	1	0.34%
	Every fortnight	4	1.38%
	Every month	1	0.34%
	Once or twice a year	3	1.03%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	148	51.03%
	Almost every day	22	7.59%
	Every week	39	13.45%
	Every fortnight	16	5.52%
	Every month	40	13.79%
	Once or twice a year	25	8.62%
	Every few years	-	-
Catching a ferry	Never	253	87.24%
	Almost every day	1	0.34%
	Every week	2	0.69%
	Every fortnight	2	0.69%
	Every month	10	3.45%
	Once or twice a year	20	6.90%
	Every few years	2	0.69%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.14 Pine catchment (N = 268)

### 10.14.1 Participant's individual characteristics – Pine

Characteristic	Response category	N	%
Age	18-24 years	31	11.6
	25-34 years	57	21.3
	35-44 years	40	14.9
	45-54 years	29	10.8
	55-64 years	42	15.7
	65+ years	69	25.7
Gender	Male	155	57.8
	Female	113	42.2
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	9	3.4
	High school	72	26.9
	Certificate or diploma	83	31.0
	Apprenticeship or trade certificate	16	6.0
	Bachelor's Degree	60	22.4
	Postgraduate Degree	25	9.3
	Other qualification (please specify)	3	1.1
Current primary employment	Working at all (incl fulltime, part time, or self employed)	136	50.7
	Unemployed and looking for work	9	3.4
	Unemployed and not seeking work	11	4.1
	Retired	78	29.1
	Student	10	3.7
	Caring for others (unpaid)	12	4.5
	Something else (please specify)	12	4.5
Income	Below \$88,000	122	45.5
	About \$88,000	27	10.1
	Above, \$88,000	96	35.8
	Prefer not to say	23	8.6
Country of Birth	Australia	202	75.4
	Other	66	24.6
Language at home	English	244	91.0
	Other	24	9.0

#### 10.14.2 Use and frequency of activities – Pine

Characteristic	Response category	N	%
Picnics, BBQs	Never	112	41.8%
	Almost every day	8	2.99%
	Every week	11	4.1%
	Every fortnight	17	6.3%
	Every month	55	20.5%
	Once or twice a year	65	24.3%
	Every few years	-	-
Walking, running	Never	70	26.12%
	Almost every day	45	16.79%
	Every week	50	18.66%
	Every fortnight	37	13.81%
	Every month	42	15.67%
	Once or twice a year	21	7.84%
	Every few years	3	1.12%
Swimming	Never	198	73.88%
	Almost every day	4	1.49%
	Every week	12	4.48%
	Every fortnight	11	4.10%
	Every month	18	6.72%
	Once or twice a year	24	8.96%
	Every few years	1	0.37%
Cycling	Never	225	83.96%
	Almost every day	5	1.87%
	Every week	6	2.24%
	Every fortnight	9	3.36%
	Every month	18	6.72%
	Once or twice a year	5	1.87%
	Every few years	-	-
4WD driving, trail bike riding	Never	248	92.54%
	Almost every day	2	0.75%
	Every week	5	1.87%
	Every fortnight	4	1.49%
	Every month	5	1.87%
	Once or twice a year	3	1.12%
	Every few years	1	0.37%
Jet skiing, water skiing	Never	255	95.15%
	Almost every day	-	-
	Every week	1	0.37%
	Every fortnight	1	0.37%
	Every month	4	1.49%
	Once or twice a year	6	2.24%
	Every few years	1	0.37%

Characteristic	Response category	N	%
Camping	Never	250	93.28%
	Almost every day	2	0.75%
	Every week	-	-
	Every fortnight	1	0.37%
	Every month	6	2.24%
	Once or twice a year	8	2.99%
	Every few years	1	0.37%
	Recreational fishing	Never	220
Recreational fishing	Almost every day	1	0.37%
	Every week	3	1.12%
	Every fortnight	6	2.24%
	Every month	22	8.21%
	Once or twice a year	15	5.60%
	Every few years	1	0.37%
	Boating, sailing	Never	243
Boating, sailing	Almost every day	1	0.37%
	Every week	5	1.87%
	Every fortnight	2	0.75%
	Every month	6	2.24%
	Once or twice a year	9	3.36%
	Every few years	2	0.75%
	Rowing, kayaking, canoeing	Never	247
Rowing, kayaking, canoeing	Almost every day	1	0.37%
	Every week		
	Every fortnight	3	1.12%
	Every month	9	3.36%
	Once or twice a year	8	2.99%
	Every few years		
	Surfing, kite-surfing, sail boarding	Never	264
Surfing, kite-surfing, sail boarding	Almost every day	1	0.37%
	Every week	-	-
	Every fortnight	-	-
	Every month	1	0.37%
	Once or twice a year	1	0.37%
	Every few years	1	0.37%
	Scuba diving, snorkelling	Never	263
Scuba diving, snorkelling	Almost every day	1	0.37%
	Every week	1	0.37%
	Every fortnight	1	0.37%
	Every month	-	-
	Once or twice a year	2	0.75%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	147	54.85%
	Almost every day	14	5.22%
	Every week	32	11.94%
	Every fortnight	26	9.70%
	Every month	32	11.94%
	Once or twice a year	17	6.34%
	Every few years	-	-
Catching a ferry	Never	244	91.04%
	Almost every day	1	0.37%
	Every week	1	0.37%
	Every fortnight	5	1.87%
	Every month	5	1.87%
	Once or twice a year	10	3.73%
	Every few years	2	0.75%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.15 Pumicestone catchment (N = 124)

### 10.15.1 Participant's individual characteristics – Pumicestone

Characteristic	Response category	N	%
Age	18-24 years	7	5.6
	25-34 years	14	11.3
	35-44 years	22	17.7
	45-54 years	12	9.7
	55-64 years	26	21.0
	65+ years	43	34.7
Gender	Male	69	55.6
	Female	54	43.5
	Non binary	1	0.8
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	1	0.8
	High school	31	25.0
	Certificate or diploma	49	39.5
	Apprenticeship or trade certificate	11	8.9
	Bachelor's Degree	22	17.7
	Postgraduate Degree	9	7.3
	Other qualification (please specify)	1	0.8
Current primary employment	Working at all (incl fulltime, part time, or self employed)	56	45.2
	Unemployed and looking for work	5	4.0
	Unemployed and not seeking work	5	4.0
	Retired	47	37.9
	Student	1	0.8
	Caring for others (unpaid)	4	3.2
	Something else (please specify)	6	4.8
Income	Below \$88,000	76	61.3
	About \$88,000	5	4.0
	Above, \$88,000	38	30.6
	Prefer not to say	5	4.0
Country of Birth	Australia	98	79.0
	Other	26	21.0
Language at home	English	121	97.6
	Other	3	2.4

### 10.15.2 Use and frequency of activities – Pumicestone

Characteristic	Response category	N	%
Picnics, BBQs	Never	43	34.7%
	Almost every day	2	1.61%
	Every week	5	4.0%
	Every fortnight	8	6.5%
	Every month	30	24.2%
	Once or twice a year	35	28.2%
	Every few years	1	0.81%
Walking, running	Never	24	19.35%
	Almost every day	26	20.97%
	Every week	39	31.45%
	Every fortnight	8	6.45%
	Every month	18	14.52%
	Once or twice a year	9	7.26%
	Every few years	-	-
Swimming	Never	65	52.42%
	Almost every day	-	-
	Every week	13	10.48%
	Every fortnight	13	10.48%
	Every month	15	12.10%
	Once or twice a year	17	13.71%
	Every few years	1	0.81%
Cycling	Never	97	78.23%
	Almost every day	-	-
	Every week	3	2.42%
	Every fortnight	10	8.06%
	Every month	7	5.65%
	Once or twice a year	7	5.65%
	Every few years	-	-
4WD driving, trail bike riding	Never	112	90.32%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	0.81%
	Every month	7	5.65%
	Once or twice a year	4	3.23%
	Every few years	-	-
Jet skiing, water skiing	Never	118	95.16%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	0.81%
	Every month	2	1.61%
	Once or twice a year	3	2.42%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	111	89.52%
	Almost every day	2	1.61%
	Every week	-	-
	Every fortnight	1	0.81%
	Every month	5	4.03%
	Once or twice a year	5	4.03%
	Every few years	-	-
Recreational fishing	Never	75	60.48%
	Almost every day	2	1.61%
	Every week	7	5.65%
	Every fortnight	5	4.03%
	Every month	17	13.71%
	Once or twice a year	18	14.52%
	Every few years	-	-
Boating, sailing	Never	99	79.84%
	Almost every day	1	0.81%
	Every week	3	2.42%
	Every fortnight	-	-
	Every month	11	8.87%
	Once or twice a year	10	8.06%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	104	83.87%
	Almost every day	1	0.81%
	Every week	2	1.61%
	Every fortnight	2	1.61%
	Every month	3	2.42%
	Once or twice a year	12	9.68%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	114	91.94%
	Almost every day	1	0.81%
	Every week	1	0.81%
	Every fortnight	1	0.81%
	Every month	4	3.23%
	Once or twice a year	3	2.42%
	Every few years	-	-
Scuba diving, snorkelling	Never	117	94.35%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	3.23%
	Once or twice a year	3	2.42%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	53	42.74%
	Almost every day	19	15.32%
	Every week	19	15.32%
	Every fortnight	7	5.65%
	Every month	15	12.10%
	Once or twice a year	11	8.87%
	Every few years	-	-
Catching a ferry	Never	122	98.39%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	1	0.81%
	Once or twice a year	1	0.81%
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.16 Redland catchment (N = 177)

### 10.16.1 Participant's individual characteristics – Redland

Characteristic	Response category	N	%
Age	18-24 years	18	10.2
	25-34 years	24	13.6
	35-44 years	33	18.6
	45-54 years	28	15.8
	55-64 years	23	13.0
	65+ years	51	28.8
Gender	Male	109	61.6
	Female	67	37.9
	Non binary	1	0.6
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	2	1.1
	High school	49	27.7
	Certificate or diploma	56	31.6
	Apprenticeship or trade certificate	14	7.9
	Bachelor's Degree	44	24.9
	Postgraduate Degree	12	6.8
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	93	52.5
	Unemployed and looking for work	4	2.3
	Unemployed and not seeking work	3	1.7
	Retired	56	31.6
	Student	8	4.5
	Caring for others (unpaid)	10	5.6
	Something else (please specify)	3	1.7
Income	Below \$88,000	90	50.8
	About \$88,000	13	7.3
	Above, \$88,000	61	34.5
	Prefer not to say	13	7.3
Country of Birth	Australia	132	75.0
	Other	44	25.0
Language at home	English	168	94.9
	Other	9	5.1

### 10.16.2 Use and frequency of activities – Redland

Characteristic	Response category	N	%
Picnics, BBQs	Never	73	41.2%
	Almost every day	2	1.13%
	Every week	7	4.0%
	Every fortnight	13	7.3%
	Every month	35	19.8%
	Once or twice a year	45	25.4%
	Every few years	2	1.13%
Walking, running	Never	39	22.03%
	Almost every day	36	20.34%
	Every week	44	24.86%
	Every fortnight	18	10.17%
	Every month	24	13.56%
	Once or twice a year	13	7.34%
	Every few years	3	1.69%
Swimming	Never	144	81.36%
	Almost every day	1	0.56%
	Every week	4	2.26%
	Every fortnight	3	1.69%
	Every month	12	6.78%
	Once or twice a year	11	6.21%
	Every few years	2	1.13%
Cycling	Never	144	81.36%
	Almost every day	2	1.13%
	Every week	9	5.08%
	Every fortnight	3	1.69%
	Every month	11	6.21%
	Once or twice a year	7	3.95%
	Every few years	1	0.56%
4WD driving, trail bike riding	Never	174	98.31%
	Almost every day	-	-
	Every week	1	0.56%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	2	1.13%
	Every few years	-	-
Jet skiing, water skiing	Never	170	96.05%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	2	1.13%
	Every month	3	1.69%
	Once or twice a year	2	1.13%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	170	96.05%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	1	0.56%
	Once or twice a year	6	3.39%
	Every few years	-	-
Recreational fishing	Never	136	76.84%
	Almost every day	-	-
	Every week	3	1.69%
	Every fortnight	4	2.26%
	Every month	17	9.60%
	Once or twice a year	15	8.47%
	Every few years	2	1.13%
Boating, sailing	Never	151	85.31%
	Almost every day	-	-
	Every week	2	1.13%
	Every fortnight	2	1.13%
	Every month	6	3.39%
	Once or twice a year	15	8.47%
	Every few years	1	0.56%
Rowing, kayaking, canoeing	Never	161	90.96%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	6	3.39%
	Every month	3	1.69%
	Once or twice a year	7	3.95%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	174	98.31%
	Almost every day	1	0.56%
	Every week	-	-
	Every fortnight	1	0.56%
	Every month	1	0.56%
	Once or twice a year	-	-
	Every few years	-	-
Scuba diving, snorkelling	Never	174	98.31%
	Almost every day	-	-
	Every week	2	1.13%
	Every fortnight	-	-
	Every month	1	0.56%
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	101	57.06%
	Almost every day	8	4.52%
	Every week	20	11.30%
	Every fortnight	12	6.78%
	Every month	24	13.56%
	Once or twice a year	10	5.65%
	Every few years	2	1.13%
Catching a ferry	Never	125	70.62%
	Almost every day	-	-
	Every week	2	1.13%
	Every fortnight	1	0.56%
	Every month	13	7.34%
	Once or twice a year	32	18.08%
	Every few years	4	2.26%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.17 Stanley catchment (N = 36)

### 10.17.1 Participant's individual characteristics – Stanley

Characteristic	Response category	N	%
Age	18-24 years	2	5.6
	25-34 years	5	13.9
	35-44 years	7	19.4
	45-54 years	6	16.7
	55-64 years	9	25.0
	65+ years	7	19.4
Gender	Male	20	55.6
	Female	15	41.7
	Non binary	1	2.8
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	1	2.8
	High school	9	25.0
	Certificate or diploma	12	33.3
	Apprenticeship or trade certificate	5	13.9
	Bachelor's Degree	7	19.4
	Postgraduate Degree	2	5.6
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	17	47.2
	Unemployed and looking for work	2	5.6
	Unemployed and not seeking work	2	5.6
	Retired	9	25.0
	Student	1	2.8
	Caring for others (unpaid)	1	2.8
	Something else (please specify)	4	11.1
Income	Below \$88,000	17	47.2
	About \$88,000	4	11.1
	Above, \$88,000	12	33.3
	Prefer not to say	3	8.3
Country of Birth	Australia	32	88.9
	Other	4	11.1
Language at home	English	36	100.0
	Other	-	-

### 10.17.2 Use and frequency of activities – Stanley

Characteristic	Response category	N	%
Picnics, BBQs	Never	21	58.3%
	Almost every day	-	-
	Every week	1	2.8%
	Every fortnight	3	8.3%
	Every month	4	11.1%
	Once or twice a year	7	19.4%
	Every few years	-	-
Walking, running	Never	16	44.44%
	Almost every day	2	5.56%
	Every week	4	11.11%
	Every fortnight	4	11.11%
	Every month	8	22.22%
	Once or twice a year	1	2.78%
	Every few years	1	2.78%
Swimming	Never	30	83.33%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	2.78%
	Every month	3	8.33%
	Once or twice a year	2	5.56%
	Every few years	-	-
Cycling	Never	29	80.56%
	Almost every day	1	2.78%
	Every week	2	5.56%
	Every fortnight	1	2.78%
	Every month	29	80.56%
	Once or twice a year	-	-
	Every few years	3	8.33%
4WD driving, trail bike riding	Never	32	88.89%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	11.11%
	Once or twice a year	-	-
	Every few years	-	-
Jet skiing, water skiing	Never	36	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	30	83.33%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	2	5.56%
	Once or twice a year	4	11.11%
	Every few years	-	-
Recreational fishing	Never	25	69.44%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	5	13.89%
	Once or twice a year	6	16.67%
	Every few years	-	-
Boating, sailing	Never	30	83.33%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	2.78%
	Every month	4	11.11%
	Once or twice a year	1	2.78%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	34	94.44%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	2.78%
	Every month	1	2.78%
	Once or twice a year	-	-
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	36	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-
Scuba diving, snorkelling	Never	36	100.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	20	55.56%
	Almost every day	2	5.56%
	Every week	4	11.11%
	Every fortnight	2	5.56%
	Every month	5	13.89%
	Once or twice a year	2	5.56%
	Every few years	1	2.78%
Catching a ferry	Never	35	97.22%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	1	2.78%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 10.18Tallebudgera-Currumbin catchment (N = 48)

### 10.18.1 Participant's individual characteristics – Tallebudgera-Currumbin

Characteristic	Response category	N	%
Age	18-24 years	4	8.3
	25-34 years	12	25.0
	35-44 years	5	10.4
	45-54 years	9	18.8
	55-64 years	10	20.8
	65+ years	8	16.7
Gender	Male	24	50.0
	Female	24	50.0
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	-	-
	High school	16	33.3
	Certificate or diploma	13	27.1
	Apprenticeship or trade certificate	2	4.2
	Bachelor's Degree	13	27.1
	Postgraduate Degree	4	8.3
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	31	64.6
	Unemployed and looking for work	1	2.1
	Unemployed and not seeking work	2	4.2
	Retired	11	22.9
	Student	-	-
	Caring for others (unpaid)	1	2.1
	Something else (please specify)	2	4.2
Income	Below \$88,000	23	47.9
	About \$88,000	4	8.3
	Above, \$88,000	21	43.8
	Prefer not to say		
Country of Birth	Australia	39	83.0
	Other	8	17.0
Language at home	English	47	97.9
	Other	1	2.1

### 10.18.2 Use and frequency of activities – Tallebudgera-Currumbin

Characteristic	Response category	N	%
Picnics, BBQs	Never	10	20.8%
	Almost every day	1	2.08%
	Every week	5	10.4%
	Every fortnight	7	14.6%
	Every month	14	29.2%
	Once or twice a year	11	22.9%
	Every few years	-	-
Walking, running	Never	4	8.33%
	Almost every day	21	43.75%
	Every week	14	29.17%
	Every fortnight	4	8.33%
	Every month	1	2.08%
	Once or twice a year	3	6.25%
	Every few years	1	2.08%
Swimming	Never	19	39.58%
	Almost every day	3	6.25%
	Every week	10	20.83%
	Every fortnight	8	16.67%
	Every month	7	14.58%
	Once or twice a year	1	2.08%
	Every few years	-	-
Cycling	Never	29	60.42%
	Almost every day	1	2.08%
	Every week	8	16.67%
	Every fortnight	4	8.33%
	Every month	4	8.33%
	Once or twice a year	2	4.17%
	Every few years	-	-
4WD driving, trail bike riding	Never	44	91.67%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	8.33%
	Once or twice a year	-	-
	Every few years	-	-
Jet skiing, water skiing	Never	44	91.67%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	2	4.17%
	Once or twice a year	2	4.17%
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	41	85.42%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	1	2.08%
	Every month	1	2.08%
	Once or twice a year	5	10.42%
	Every few years	-	-
Recreational fishing	Never	31	64.58%
	Almost every day	-	-
	Every week	4	8.33%
	Every fortnight	2	4.17%
	Every month	5	10.42%
	Once or twice a year	6	12.50%
	Every few years	-	-
Boating, sailing	Never	39	81.25%
	Almost every day	1	2.08%
	Every week	-	-
	Every fortnight	1	2.08%
	Every month	2	4.17%
	Once or twice a year	5	10.42%
	Every few years	-	-
Rowing, kayaking, canoeing	Never	36	75.00%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	5	10.42%
	Every month	5	10.42%
	Once or twice a year	1	2.08%
	Every few years	1	2.08%
Surfing, kite-surfing, sail boarding	Never	40	83.33%
	Almost every day	-	-
	Every week	2	4.17%
	Every fortnight	3	6.25%
	Every month	2	4.17%
	Once or twice a year	1	2.08%
	Every few years	-	-
Scuba diving, snorkelling	Never	43	89.58%
	Almost every day	-	-
	Every week	1	2.08%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	4	8.33%
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	25	52.08%
	Almost every day	7	14.58%
	Every week	4	8.33%
	Every fortnight	5	10.42%
	Every month	7	14.58%
	Once or twice a year	-	-
	Every few years	-	-
Catching a ferry	Never	46	95.83%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	2.08%
	Every few years	1	2.08%

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.

## 10.19 Upper Brisbane catchment (N = 39)

### 10.19.1 Participant's individual characteristics – Upper Brisbane

Characteristic	Response category	N	%
Age	18-24 years	8	20.5
	25-34 years	7	17.9
	35-44 years	10	25.6
	45-54 years	6	15.4
	55-64 years	5	12.8
	65+ years	3	7.7
Gender	Male	21	53.8
	Female	18	46.2
	Non binary	-	-
	Prefer to describe as	-	-
	Prefer not to say	-	-
Education completed	Primary school	-	-
	High school	8	20.5
	Certificate or diploma	11	28.2
	Apprenticeship or trade certificate	1	2.6
	Bachelor's Degree	9	23.1
	Postgraduate Degree	10	25.6
	Other qualification (please specify)	-	-
Current primary employment	Working at all (incl fulltime, part time, or self employed)	30	76.9
	Unemployed and looking for work	3	7.7
	Unemployed and not seeking work	2	5.1
	Retired	3	7.7
	Student	1	2.6
	Caring for others (unpaid)	-	-
	Something else (please specify)	-	-
Income	Below \$88,000	13	33.3
	About \$88,000	13	33.3
	Above, \$88,000	13	33.3
	Prefer not to say	-	-
Country of Birth	Australia	38	97.4
	Other	1	2.6
Language at home	English	35	89.7
	Other	4	10.3

### 10.19.2 Use and frequency of activities – Upper Brisbane

Characteristic	Response category	N	%
Picnics, BBQs	Never	21	53.8%
	Almost every day	3	7.69%
	Every week	2	5.1%
	Every fortnight	4	10.3%
	Every month	5	12.8%
	Once or twice a year	3	7.7%
	Every few years	1	2.56%
Walking, running	Never	18	46.15%
	Almost every day	4	10.26%
	Every week	5	12.82%
	Every fortnight	3	7.69%
	Every month	4	10.26%
	Once or twice a year	4	10.26%
	Every few years	1	2.56%
Swimming	Never	31	79.49%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	3	7.69%
	Every month	2	5.13%
	Once or twice a year	3	7.69%
	Every few years	-	-
Cycling	Never	28	71.79%
	Almost every day	-	-
	Every week	7	17.95%
	Every fortnight	1	2.56%
	Every month	1	2.56%
	Once or twice a year	2	5.13%
	Every few years	-	-
4WD driving, trail bike riding	Never	33	84.62%
	Almost every day	-	-
	Every week	1	2.56%
	Every fortnight	2	5.13%
	Every month	2	5.13%
	Once or twice a year	1	2.56%
	Every few years	-	-
Jet skiing, water skiing	Never	37	94.87%
	Almost every day	-	-
	Every week	2	5.13%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Camping	Never	30	76.92%
	Almost every day	1	2.56%
	Every week	-	-
	Every fortnight	1	2.56%
	Every month	4	10.26%
	Once or twice a year	3	7.69%
	Every few years	-	-
Recreational fishing	Never	28	71.79%
	Almost every day	-	-
	Every week	2	5.13%
	Every fortnight	4	10.26%
	Every month	3	7.69%
	Once or twice a year	2	5.13%
	Every few years	-	-
Boating, sailing	Never	35	89.74%
	Almost every day	-	-
	Every week	-	-
	Every fortnight	-	-
	Every month	4	10.26%
	Once or twice a year	-	-
	Every few years	-	-
Rowing, kayaking, canoeing	Never	32	82.05%
	Almost every day	1	2.56%
	Every week	1	2.56%
	Every fortnight	2	5.13%
	Every month	2	5.13%
	Once or twice a year	1	2.56%
	Every few years	-	-
Surfing, kite-surfing, sail boarding	Never	35	89.74%
	Almost every day	-	-
	Every week	3	7.69%
	Every fortnight	-	-
	Every month	-	-
	Once or twice a year	1	2.56%
	Every few years	-	-
Scuba diving, snorkelling	Never	33	84.62%
	Almost every day	4	10.26%
	Every week	-	-
	Every fortnight	1	2.56%
	Every month	1	2.56%
	Once or twice a year	-	-
	Every few years	-	-

Characteristic	Response category	N	%
Enjoying nature e.g. birdwatching, conservation, photography	Never	22	56.41%
	Almost every day	-	-
	Every week	3	7.69%
	Every fortnight	7	17.95%
	Every month	3	7.69%
	Once or twice a year	4	10.26%
	Every few years	-	-
Catching a ferry	Never	36	92.31%
	Almost every day	1	2.56%
	Every week	-	-
	Every fortnight	2	5.13%
	Every month	-	-
	Once or twice a year	-	-
	Every few years	-	-

Data responses suggest that frequencies may reflect activities in waterways at all locations, not only local.



## 11 Summary

The findings from the 2022 Social Monitoring survey provide a basis for assessing how people in SEQ value and engage in waterways.

This study used two methods to reach a sub-sample of SEQ residents aged 18 years or older who live in the 19 catchment areas. First, a survey panel was used to gain responses from a wide range of the general SEQ population and comprised 2308 participants. The second method recruited participants via Healthy Land and Water's social media channels and email lists. A total of 224 participants completed the survey via social media. Because recruitment for the social media data was not restricted by demographics or location, some slight differences in age and gender ratios emerged between Panel Data and Social Media Data.

South East Queenslanders have long enjoyed the lifestyle, cultural, and economic benefits of the region's expansive, diverse, and scenic waterways (creeks, rivers, lakes, beaches, and bays) and continued to do so during another tumultuous year. Across the eight measured constructs, participants reported high levels of benefits and usage of their local waterways, especially in the catchments of Moreton Bay & Islands and Tallebudgera-Currumbin. The results indicated that most participants had positive experiences with their local waterways, as well as having a positive connection to, and experiencing personal benefits from, their local waterways.

It should be noted that the mean social scores for 2022 were slightly higher than those generated for 2021 (excluding Being Away, Fascination and Nature Relatedness which remained consistent with the previous years scores). However, these changes are very small and should be interpreted with caution as they may be due to other factors such as differences in participant profiles.

In addition to the South East Queenslanders perceptions and attitudes related to waterways, the large majority of participants reported engaging in at least one waterway related activity (representing more than 9 out of 10 participants). Near-water activities, such as exercise, enjoying nature and picnics/BBQs being more commonly reported. Other popular activities included swimming, cycling and recreational fishing.

## 12 Guide to interpretation

The data presented here is largely descriptive. While it is possible to visually compare means between years, it is important to note that these data are collected from different cohorts. The sampling procedure aims to ensure a sample that represents the population of SEQ. However, it is possible that any variation in means from year to year may result from a shift in characteristics of the sample, rather than representing a true change in indicator status. Because of this, statistical analysis of trends over time should use methods that control for participant characteristics.

Social media participants chose to participate in this study in response to advertising or promotion. Self-selected participants such as this are typically more likely to exhibit an interest in the topic, or a greater degree of engagement in the issues presented. Aligned with this, social media participants reported higher rates of waterway use, higher scores on social constructs, and differences in demographics, such as higher rates of females or those with postgraduate education. This highlights the importance of considering the sampling approach when interpreting findings from social surveys.

## Appendices

### Appendix A. List of catchments, suburbs, and postcodes

Suburb	Postcode	Catchment	Repeat
Acacia Ridge	4110	Lower Brisbane	1
Adare	4343	Lockyer	1
Advancetown	4211	Nerang	1
Albany Creek	4035	Pine	1
Alberton	4207	Logan	1
Albion	4010	Lower Brisbane	1
Alderley	4051	Lower Brisbane	1
Alexandra Headland	4572	Maroochy	1
Alexandra Hills	4161	Redland	1
Algester	4115	Lower Brisbane	1
Allandale	4310	Logan	1
Allenview	4285	Logan	1
Amberley	4306	Bremer	1
Amity	4183	Moreton Bay and Islands	1
Anduramba	4355	Upper Brisbane	1
Annerley	4103	Lower Brisbane	1
Anstead	4070	Lower Brisbane	1
Anthony	4310	Bremer	1
Arana Hills	4054	Lower Brisbane	1
Aratula	4309	Bremer	1
Archerfield	4108	Lower Brisbane	1
Armstrong Creek	4520	Pine	1
Aroona	4551	Mooloolah	1
Arundel	4214	Pimpama-Coomera	1
Ascot	4007	Lower Brisbane	1
Ashgrove	4060	Lower Brisbane	1
Ashmore	4214	Nerang	2
Ashmore	4214	Pimpama-Coomera	2
Ashwell	4340	Bremer	1
Aspley	4034	Lower Brisbane	1
Atkinsons Dam	4311	Lockyer	1
Auchenflower	4066	Lower Brisbane	1
Augustine Heights	4300	Lower Brisbane	1
Austinvilla	4213	Nerang	1
Avoca Vale	4306	Upper Brisbane	1
Bahrs Scrub	4207	Albert	1
Bald Hills	4036	Pine	1
Bald Knob	4552	Mooloolah	2
Bald Knob	4552	Stanley	2
Ballard	4352	Lockyer	1
Balmoral	4171	Lower Brisbane	1
Balmoral Ridge	4552	Mooloolah	1
Banks Creek	4306	Mid Brisbane	1
Banksia Beach	4507	Pumicestone	2
Banksia Beach	4507	Moreton Bay and Islands	2

Suburb	Postcode	Catchment	Repeat
Bannockburn	4207	Albert	1
Banyo	4014	Lower Brisbane	1
Bardon	4065	Lower Brisbane	1
Barellan Point	4306	Bremer	2
Barellan Point	4306	Lower Brisbane	2
Barney View	4287	Logan	1
Basin Pocket	4305	Bremer	1
Battery Hill	4551	Mooloolah	1
Beachmere	4510	Caboolture	1
Beaudesert	4285	Logan	1
Beechmont	4211	Pimpama-Coomera	1
Beenleigh	4207	Logan	1
Beerburum	4517	Pumicestone	1
Beerwah	4519	Pumicestone	1
Belivah	4207	Albert	1
Bellara	4507	Pumicestone	2
Bellara	4507	Moreton Bay and Islands	2
Bellbird Park	4300	Lower Brisbane	1
Bellbowrie	4070	Lower Brisbane	1
Bellmere	4510	Caboolture	1
Bells Creek	4551	Pumicestone	1
Bellthorpe	4514	Stanley	1
Belmont	4153	Lower Brisbane	1
Benarkin	4306	Upper Brisbane	1
Benarkin North	4306	Upper Brisbane	1
Benobble	4275	Albert	1
Benowa	4217	Nerang	1
Bergen	4353	Upper Brisbane	1
Berrinba	4117	Logan	1
Bethania	4205	Logan	1
Biarra	4313	Upper Brisbane	1
Biddaddaba	4275	Albert	1
Biggera Waters	4216	Pimpama-Coomera	1
Bilinga	4225	Tallebudgera-Currumbin	1
Binna Burra	4211	Pimpama-Coomera	1
Birkdale	4159	Redland	1
Birnam	4285	Albert	1
Birtinya	4575	Mooloolah	1
Black Duck Creek	4343	Lockyer	1
Blackbutt	4306	Upper Brisbane	1
Blackbutt North	4306	Upper Brisbane	1
Blackbutt South	4306	Upper Brisbane	1
Blacksoil	4306	Bremer	1
Blackstone	4304	Bremer	1
Blanchview	4352	Lockyer	1
Blantyre	4310	Bremer	1
Blenheim	4341	Lockyer	1
Bli Bli	4560	Maroochy	1

Suburb	Postcode	Catchment	Repeat
Blue Mountain Heights	4350	Lockyer	1
Bokarina	4575	Mooloolah	1
Bongaree	4507	Pumicestone	2
Bongaree	4507	Moreton Bay and Islands	1
Bonogin	4213	Nerang	1
Boonah	4310	Logan	1
Boondall	4034	Lower Brisbane	1
Boorobin	4552	Stanley	1
Booval	4304	Bremer	1
Borallon	4306	Mid Brisbane	1
Boreen Point	4565	Noosa	1
Boronia Heights	4124	Logan	1
Bowen Hills	4006	Lower Brisbane	1
Boyland	4275	Albert	1
Bracalba	4512	Caboolture	1
Bracken Ridge	4017	Lower Brisbane	2
Bracken Ridge	4017	Pine	2
Braemore	4313	Upper Brisbane	1
Brassall	4305	Bremer	1
Bray Park	4500	Pine	1
Brendale	4500	Pine	1
Bribie Island North	4507	Moreton Bay and Islands	1
Bridgeman Downs	4035	Pine	1
Bridges	4561	Maroochy	1
Brighton	4017	Pine	1
Brightview	4311	Lockyer	1
Brisbane Airport	4008	Lower Brisbane	1
Brisbane City	4000	Lower Brisbane	1
Broadbeach	4218	Nerang	1
Broadbeach Waters	4218	Nerang	1
Bromelton	4285	Logan	1
Brookfield	4069	Lower Brisbane	1
Brookwater	4300	Lower Brisbane	1
Browns Plains	4118	Logan	1
Bryden	4312	Upper Brisbane	1
Buaraba	4311	Lockyer	1
Buaraba South	4311	Lockyer	1
Buccan	4207	Logan	1
Buddina	4575	Mooloolah	1
Buderim	4556	Maroochy	2
Buderim	4556	Mooloolah	2
Bulimba	4171	Lower Brisbane	1
Bulwer	4025	Moreton Bay and Islands	1
Bunburra	4310	Logan	1
Bundall	4217	Nerang	1
Bundamba	4304	Bremer	1
Bunjurgen	4310	Logan	1
Bunya	4055	Pine	1

Suburb	Postcode	Catchment	Repeat
Burbank	4156	Redland	1
Burleigh Heads	4220	Nerang	2
Burleigh Heads	4220	Tallebudgera-Currumbin	2
Burleigh Waters	4220	Nerang	1
Burnett Creek	4310	Logan	1
Burnside	4560	Maroochy	1
Burpengary	4505	Caboolture	1
Burpengary East	4505	Caboolture	1
Cabarlah	4352	Lockyer	1
Caboolture	4510	Caboolture	1
Caboolture South	4510	Caboolture	1
Caboonbah	4312	Upper Brisbane	1
Caffey	4343	Lockyer	1
Cainbabe	4285	Albert	1
Calamvale	4116	Logan	2
Calamvale	4116	Lower Brisbane	2
Caloundra	4551	Pumicestone	1
Caloundra West	4551	Pumicestone	1
Calvert	4340	Bremer	1
Camira	4300	Lower Brisbane	1
Camp Hill	4152	Lower Brisbane	1
Camp Mountain	4520	Pine	1
Campbells Pocket	4521	Caboolture	1
Cannon Creek	4310	Logan	1
Cannon Hill	4170	Lower Brisbane	1
Canungra	4275	Albert	1
Capalaba	4157	Redland	1
Carbrook	4130	Logan	1
Carina	4152	Lower Brisbane	1
Carina Heights	4152	Lower Brisbane	1
Carindale	4152	Lower Brisbane	1
Carneys Creek	4310	Logan	1
Carole Park	4300	Lower Brisbane	1
Carpendale	4344	Lockyer	1
Carrara	4211	Nerang	1
Carseldine	4034	Lower Brisbane	1
Cashmere	4500	Pine	1
Castaways Beach	4567	Noosa	1
Cedar Creek	4207	Albert	2
Cedar Creek	4520	Pine	2
Cedar Grove	4285	Logan	1
Cedar Vale	4285	Logan	1
Cedarton	4514	Stanley	1
Chambers Flat	4133	Logan	1
Chandler	4155	Redland	1
Chapel Hill	4069	Lower Brisbane	1
Charlwood	4309	Bremer	1
Chelmer	4068	Lower Brisbane	1

Suburb	Postcode	Catchment	Repeat
Chermside	4032	Lower Brisbane	1
Chermside West	4032	Lower Brisbane	1
Cherry Creek	4306	Upper Brisbane	1
Chevallum	4555	Maroochy	1
Chinghee Creek	4285	Logan	1
Christmas Creek	4285	Logan	1
Churchable	4311	Lockyer	1
Churchill	4305	Bremer	1
Chuwar	4306	Bremer	2
Chuwar	4306	Mid Brisbane	2
Clagiraba	4211	Pimpama-Coomera	1
Clarendon	4311	Lockyer	1
Clayfield	4011	Lower Brisbane	1
Clear Island Waters	4226	Nerang	1
Clear Mountain	4500	Pine	1
Cleveland	4163	Redland	1
Clontarf	4019	Pine	1
Closeburn	4520	Pine	1
Clumber	4309	Bremer	1
Coal Creek	4312	Upper Brisbane	1
Coalbank	4352	Upper Brisbane	1
Coalfalls	4305	Bremer	1
Coes Creek	4560	Maroochy	1
Coleyville	4307	Bremer	1
Colinton	4306	Upper Brisbane	1
College View	4343	Lockyer	1
Collingwood Park	4301	Lower Brisbane	1
Commissioners Flat	4514	Stanley	1
Como	4571	Noosa	1
Coochiemudlo Island	4184	Moreton Bay and Islands	1
Coochin	4310	Logan	1
Coochin Creek	4519	Pumicestone	1
Cooeeimbardi	4313	Upper Brisbane	1
Coolana	4311	Lockyer	1
Coolangatta	4225	Tallebudgera-Currumbin	1
Cooloola	4580	Noosa	1
Cooloolabin	4560	Maroochy	1
Coolum Beach	4573	Maroochy	1
Coombabah	4216	Pimpama-Coomera	1
Coomera	4209	Pimpama-Coomera	1
Coominya	4311	Lockyer	1
Coopers Plains	4108	Lower Brisbane	1
Cooroibah	4565	Noosa	1
Coorparoo	4151	Lower Brisbane	1
Cootharaba	4565	Noosa	1
Cooyar	4402	Upper Brisbane	1
Corinda	4075	Lower Brisbane	1
Cornubia	4130	Logan	1

Suburb	Postcode	Catchment	Repeat
Coulson	4310	Logan	1
Cowan Cowan	4025	Moreton Bay and Islands	1
Cressbrook	4313	Upper Brisbane	1
Cressbrook Creek	4355	Upper Brisbane	1
Crestmead	4132	Logan	1
Croftby	4310	Logan	1
Crohamhurst	4519	Stanley	1
Crossdale	4312	Stanley	2
Crossdale	4312	Upper Brisbane	2
Crowley Vale	4342	Lockyer	1
Crows Nest	4355	Upper Brisbane	1
Cryna	4285	Logan	1
Currimundi	4551	Mooloolah	1
Currumbin	4223	Tallebudgera-Currumbin	1
Currumbin Valley	4223	Tallebudgera-Currumbin	1
Currumbin Waters	4223	Tallebudgera-Currumbin	1
D'aguilar	4514	Stanley	1
Daisy Hill	4127	Logan	2
Daisy Hill	4127	Redland	2
Dakabin	4503	Pine	1
Darlington	4285	Albert	1
Darra	4076	Lower Brisbane	1
Dayboro	4521	Pine	1
Deagon	4017	Lower Brisbane	1
Deception Bay	4508	Caboolture	1
Deebing Heights	4306	Bremer	1
Delaneys Creek	4514	Stanley	1
Derrymore	4352	Lockyer	1
Diamond Valley	4553	Mooloolah	1
Dicky Beach	4551	Mooloolah	1
Diddillibah	4559	Maroochy	1
Dinmore	4303	Bremer	1
Djuan	4352	Upper Brisbane	1
Donnybrook	4510	Pumicestone	1
Doolandella	4077	Lower Brisbane	1
Doonan	4562	Maroochy	1
Draper	4520	Pine	1
Drewvale	4116	Logan	1
Dugandan	4310	Logan	1
Dulong	4560	Maroochy	1
Dundas	4306	Upper Brisbane	1
Dunwich	4183	Moreton Bay and Islands	1
Durack	4077	Lower Brisbane	1
Dutton Park	4102	Lower Brisbane	1
Eagle Farm	4009	Lower Brisbane	1
Eagleby	4207	Albert	1
East Brisbane	4169	Lower Brisbane	1
East Cooyar	4353	Upper Brisbane	1

Suburb	Postcode	Catchment	Repeat
East Haldon	4343	Lockyer	1
East Ipswich	4305	Bremer	1
East Nanango	4615	Upper Brisbane	1
Eastern Heights	4305	Bremer	1
Eatons Hill	4037	Pine	1
Ebbw Vale	4304	Bremer	1
Ebenezer	4340	Bremer	1
Edens Landing	4207	Logan	1
Eerwah Vale	4562	Maroochy	1
Egypt	4344	Lockyer	1
Eight Mile Plains	4113	Lower Brisbane	1
Elanora	4221	Tallebudgera-Currumbin	1
Elimbah	4516	Pumicestone	1
Ellen Grove	4078	Lower Brisbane	1
Emu Creek	4355	Upper Brisbane	1
England Creek	4306	Mid Brisbane	1
Enoggera	4051	Lower Brisbane	1
Enoggera Reservoir	4520	Lower Brisbane	1
Esk	4312	Upper Brisbane	1
Eskdale	4312	Upper Brisbane	1
Eudlo	4554	Maroochy	1
Eumundi	4562	Maroochy	1
Everton Hills	4053	Lower Brisbane	1
Everton Park	4053	Lower Brisbane	1
Fairfield	4103	Lower Brisbane	1
Fairney View	4306	Mid Brisbane	1
Fassifern	4309	Bremer	1
Fassifern Valley	4309	Bremer	1
Fernvale	4306	Mid Brisbane	1
Ferny Glen	4275	Pimpama-Coomera	1
Ferny Grove	4055	Lower Brisbane	1
Ferny Hills	4055	Lower Brisbane	1
Fifteen Mile	4352	Lockyer	1
Fig Tree Pocket	4069	Lower Brisbane	1
Fitzgibbon	4018	Lower Brisbane	1
Flagstone	4280	Logan	1
Flagstone Creek	4344	Lockyer	1
Flinders Lakes	4285	Logan	1
Flinders View	4305	Bremer	1
Flying Fox	4275	Pimpama-Coomera	1
Fordsdale	4343	Lockyer	1
Forest Glen	4556	Maroochy	1
Forest Hill	4342	Lockyer	1
Forest Lake	4078	Lower Brisbane	1
Forestdale	4118	Lower Brisbane	1
Fortitude Valley	4006	Lower Brisbane	1
Frazerview	4309	Bremer	1
Frenches Creek	4310	Logan	1



Suburb	Postcode	Catchment	Repeat
Fulham	4313	Upper Brisbane	1
Gailes	4300	Lower Brisbane	1
Gatton	4343	Lockyer	1
Gaven	4211	Pimpama-Coomera	1
Gaythorne	4051	Lower Brisbane	1
Geebung	4034	Lower Brisbane	1
Gilberton	4208	Logan	1
Gilla	4306	Upper Brisbane	1
Gilston	4211	Nerang	1
Glamorgan Vale	4306	Mid Brisbane	1
Glass House Mountains	4518	Pumicestone	2
Glass House Mountains	4518	Stanley	2
Glen Cairn	4342	Lockyer	1
Glen Esk	4312	Upper Brisbane	1
Glenaven	4355	Upper Brisbane	1
Gleneagle	4285	Logan	1
Glenfern	4515	Stanley	1
Glenore Grove	4342	Lockyer	1
Glenview	4553	Mooloolah	1
Godwin Beach	4511	Caboolture	1
Golden Beach	4551	Pumicestone	1
Goodna	4300	Lower Brisbane	1
Googa Creek	4306	Upper Brisbane	1
Goolman	4306	Bremer	1
Gordon Park	4031	Lower Brisbane	1
Graceville	4075	Lower Brisbane	1
Grandchester	4340	Bremer	1
Grange	4051	Lower Brisbane	1
Grantham	4347	Lockyer	1
Grapetree	4352	Upper Brisbane	1
Greenbank	4124	Lower Brisbane	1
Greenslopes	4120	Lower Brisbane	1
Gregors Creek	4313	Upper Brisbane	1
Griffin	4503	Pine	1
Guanaba	4210	Pimpama-Coomera	1
Gumdale	4154	Redland	1
Haden	4353	Upper Brisbane	1
Haigslea	4306	Mid Brisbane	1
Hamilton	4007	Lower Brisbane	1
Hampton	4352	Lockyer	1
Harlin	4306	Upper Brisbane	1
Harrisville	4307	Bremer	1
Hatton Vale	4341	Lockyer	1
Hawthorne	4171	Lower Brisbane	1
Hazeldean	4515	Stanley	1
Heathwood	4110	Lower Brisbane	1
Helensvale	4212	Pimpama-Coomera	1
Helidon	4344	Lockyer	1

Suburb	Postcode	Catchment	Repeat
Helidon Spa	4344	Lockyer	1
Hemmant	4174	Lower Brisbane	1
Hendra	4011	Lower Brisbane	1
Heritage Park	4118	Logan	1
Herston	4006	Lower Brisbane	1
Highgate Hill	4101	Lower Brisbane	1
Highland Park	4211	Nerang	1
Highvale	4520	Pine	1
Highworth	4560	Maroochy	1
Hillcrest	4118	Logan	1
Hillview	4285	Logan	1
Holland Park	4121	Lower Brisbane	1
Holland Park West	4121	Lower Brisbane	1
Hollywell	4216	Moreton Bay and Islands	2
Hollywell	4216	Pimpama-Coomera	2
Holmview	4207	Logan	1
Hope Island	4212	Pimpama-Coomera	1
Hoya	4310	Logan	1
Hunchy	4555	Maroochy	1
Ilkley	4554	Mooloolah	1
Illinbah	4275	Pimpama-Coomera	1
Image Flat	4560	Maroochy	1
Inala	4077	Lower Brisbane	1
Indooroopilly	4068	Lower Brisbane	1
Ingoldsby	4343	Lockyer	1
Innisplain	4285	Logan	1
Ipswich	4305	Bremer	1
Iredale	4344	Lockyer	1
Ironbark	4306	Mid Brisbane	1
Ivory Creek	4313	Upper Brisbane	1
Jacobs Well	4208	Pimpama-Coomera	1
Jamboree Heights	4074	Lower Brisbane	1
Jeebropilly	4340	Bremer	1
Jimboomba	4280	Logan	1
Jindalee	4074	Lower Brisbane	1
Jollys Lookout	4520	Pine	1
Jones Gully	4355	Upper Brisbane	1
Josephville	4285	Logan	1
Joyner	4500	Pine	1
Junction View	4343	Lockyer	1
Kagaru	4285	Logan	1
Kairabah	4207	Albert	1
Kalbar	4309	Bremer	1
Kalinga	4030	Lower Brisbane	1
Kallangur	4503	Pine	1
Kangaroo Point	4169	Lower Brisbane	1
Karalee	4306	Bremer	2
Karalee	4306	Lower Brisbane	2

Suburb	Postcode	Catchment	Repeat
Karana Downs	4306	Lower Brisbane	1
Karawatha	4117	Logan	1
Karrabin	4306	Bremer	1
Karragarra Island	4184	Moreton Bay and Islands	1
Kedron	4031	Lower Brisbane	1
Kelvin Grove	4059	Lower Brisbane	1
Kenmore	4069	Lower Brisbane	1
Kenmore Hills	4069	Lower Brisbane	1
Kensington Grove	4341	Lockyer	1
Kents Lagoon	4309	Bremer	1
Kents Pocket	4310	Logan	1
Kentville	4341	Lockyer	1
Keperra	4054	Lower Brisbane	1
Kerry	4285	Albert	1
Kholo	4306	Lower Brisbane	2
Kholo	4306	Mid Brisbane	2
Kiamba	4560	Maroochy	1
Kiels Mountain	4559	Maroochy	1
Kilcoy	4515	Stanley	1
Kin Kin	4571	Noosa	1
King Scrub	4521	Pine	1
Kings Beach	4551	Pumicestone	1
Kingsholme	4208	Pimpama-Coomera	1
Kingston	4114	Logan	1
Kippa-ring	4021	Pine	1
Knapp Creek	4285	Logan	1
Kobble Creek	4520	Pine	1
Kooralbyn	4285	Logan	1
Kooralgin	4402	Upper Brisbane	1
Kooringal	4025	Moreton Bay and Islands	1
Kulangoor	4560	Maroochy	1
Kulgun	4309	Bremer	1
Kuluin	4558	Maroochy	1
Kunda Park	4556	Maroochy	1
Kuraby	4112	Logan	2
Kuraby	4112	Lower Brisbane	2
Kureelpa	4560	Maroochy	1
Kurwongbah	4503	Pine	1
Labrador	4215	Pimpama-Coomera	1
Laceys Creek	4521	Pine	1
Laidley	4341	Lockyer	1
Laidley Creek West	4341	Lockyer	1
Laidley Heights	4341	Lockyer	1
Laidley North	4341	Lockyer	1
Laidley South	4341	Lockyer	1
Lake Clarendon	4343	Lockyer	1
Lake Manchester	4306	Mid Brisbane	1
Lake Wivenhoe	4312	Upper Brisbane	1

Suburb	Postcode	Catchment	Repeat
Lamb Island	4184	Moreton Bay and Islands	1
Lamington	4285	Logan	1
Landers Shoot	4555	Maroochy	1
Landsborough	4550	Mooloolah	2
Landsborough	4550	Pumicestone	2
Lanefield	4340	Bremer	1
Larapinta	4110	Lower Brisbane	1
Laravale	4285	Logan	1
Lark Hill	4306	Mid Brisbane	1
Lawes	4343	Lockyer	1
Lawnton	4501	Pine	1
Lefthand Branch	4343	Lockyer	1
Leichhardt	4305	Bremer	1
Lilydale	4344	Lockyer	1
Limestone Ridges	4305	Bremer	1
Linville	4306	Upper Brisbane	1
Little Mountain	4551	Mooloolah	2
Little Mountain	4551	Pumicestone	2
Lockrose	4342	Lockyer	1
Lockyer	4344	Lockyer	1
Lockyer Waters	4311	Lockyer	1
Logan Central	4114	Logan	1
Logan Reserve	4133	Logan	1
Logan Village	4207	Logan	1
Loganholme	4129	Logan	1
Loganlea	4131	Logan	1
Lota	4179	Moreton Bay and Islands	2
Lota	4179	Redland	2
Lower Beechmont	4211	Nerang	2
Lower Beechmont	4211	Pimpama-Coomera	2
Lower Cressbrook	4313	Upper Brisbane	1
Lower Mount Walker	4340	Bremer	1
Lower Tenthill	4343	Lockyer	1
Lowood	4311	Lockyer	2
Lowood	4311	Mid Brisbane	2
Luscombe	4207	Albert	1
Lutwyche	4030	Lower Brisbane	1
Lynford	4342	Lockyer	1
Lyons	4124	Lower Brisbane	1
Lytton	4178	Lower Brisbane	1
Ma Ma Creek	4347	Lockyer	1
Macgregor	4109	Lower Brisbane	1
Mackenzie	4156	Lower Brisbane	1
Macleay Island	4184	Moreton Bay and Islands	1
Main Beach	4217	Moreton Bay and Islands	2
Main Beach	4217	Nerang	2
Mango Hill	4509	Pine	1
Manly	4179	Moreton Bay and Islands	2

Suburb	Postcode	Catchment	Repeat
Manly	4179	Redland	2
Manly West	4179	Redland	1
Mansfield	4122	Lower Brisbane	1
Mapleton	4560	Maroochy	1
Marburg	4346	Mid Brisbane	1
Marcoola	4564	Maroochy	1
Marcus Beach	4573	Noosa	1
Margate	4019	Pine	1
Maroochy River	4561	Maroochy	1
Maroochydore	4558	Maroochy	1
Maroon	4310	Logan	1
Marsden	4132	Logan	1
Maudsland	4210	Pimpama-Coomera	1
McDowall	4053	Lower Brisbane	1
Meadowbrook	4131	Logan	1
Meldale	4510	Pumicestone	1
Meridan Plains	4551	Mooloolah	1
Mermaid Beach	4218	Nerang	1
Mermaid Waters	4218	Nerang	1
Merrimac	4226	Nerang	1
Merryvale	4340	Bremer	1
Miami	4220	Nerang	1
Middle Park	4074	Lower Brisbane	1
Middle Ridge	4350	Lockyer	1
Milbong	4310	Bremer	1
Milford	4310	Logan	1
Milora	4309	Bremer	1
Milton	4064	Lower Brisbane	1
Minden	4311	Lockyer	1
Minyama	4575	Mooloolah	1
Mitchelton	4053	Lower Brisbane	1
Moffat Beach	4551	Mooloolah	1
Moggill	4070	Lower Brisbane	1
Molendinar	4214	Nerang	2
Molendinar	4214	Pimpama-Coomera	2
Monarch Glen	4285	Logan	1
Mons	4556	Maroochy	1
Monsildale	4515	Upper Brisbane	1
Moodlu	4510	Caboolture	1
Moogerah	4309	Bremer	1
Mooloolaba	4557	Mooloolah	1
Mooloolah Valley	4553	Mooloolah	1
Moombra	4312	Upper Brisbane	1
Moorang	4340	Bremer	1
Moore	4306	Upper Brisbane	1
Moores Pocket	4305	Bremer	1
Moorina	4506	Caboolture	1
Moorooka	4105	Lower Brisbane	1

Suburb	Postcode	Catchment	Repeat
Morayfield	4506	Caboolture	1
Moreton Island	4025	Moreton Bay and Islands	1
Morningside	4170	Lower Brisbane	1
Morton Vale	4343	Lockyer	1
Morwincha	4309	Bremer	1
Mount Alford	4310	Logan	1
Mount Archer	4514	Stanley	1
Mount Barney	4287	Logan	1
Mount Beppo	4313	Upper Brisbane	1
Mount Berryman	4341	Lockyer	1
Mount Binga	4306	Upper Brisbane	1
Mount Byron	4312	Stanley	1
Mount Coolum	4573	Maroochy	1
Mount Coot-tha	4066	Lower Brisbane	1
Mount Cotton	4165	Redland	1
Mount Crosby	4306	Lower Brisbane	1
Mount Delaney	4514	Stanley	1
Mount Edwards	4309	Bremer	1
Mount Forbes	4340	Bremer	1
Mount French	4310	Logan	1
Mount Gipps	4285	Logan	1
Mount Glorious	4520	Pine	1
Mount Gravatt	4122	Lower Brisbane	1
Mount Gravatt East	4122	Lower Brisbane	1
Mount Hallen	4312	Lockyer	2
Mount Hallen	4312	Upper Brisbane	2
Mount Kilcoy	4515	Stanley	1
Mount Lindesay	4287	Logan	1
Mount Lofty	4350	Lockyer	1
Mount Luke	4352	Lockyer	1
Mount Marrow	4306	Bremer	1
Mount Mee	4521	Stanley	1
Mount Mellum	4550	Pumicestone	1
Mount Mort	4340	Bremer	1
Mount Nathan	4211	Pimpama-Coomera	1
Mount Nebo	4520	Pine	1
Mount Ommaney	4074	Lower Brisbane	1
Mount Pleasant	4521	Pine	1
Mount Samson	4520	Pine	1
Mount Stanley	4306	Upper Brisbane	1
Mount Sylvia	4343	Lockyer	1
Mount Tarampa	4311	Lockyer	1
Mount Walker	4340	Bremer	1
Mount Walker West	4340	Bremer	1
Mount Warren Park	4207	Albert	1
Mount Whitestone	4347	Lockyer	1
Mountain Camp	4355	Upper Brisbane	1
Mountain Creek	4557	Mooloolah	1

Suburb	Postcode	Catchment	Repeat
Mudgeeraba	4213	Nerang	1
Mudjimba	4564	Maroochy	1
Muirlea	4306	Bremer	2
Muirlea	4306	Mid Brisbane	2
Mulgowie	4341	Lockyer	1
Munbilla	4309	Bremer	1
Mundoolun	4285	Albert	1
Munruben	4125	Logan	1
Murarie	4172	Lower Brisbane	1
Murphys Creek	4352	Lockyer	1
Murrumba	4312	Upper Brisbane	1
Murrumba Downs	4503	Pine	1
Mutdapilly	4307	Bremer	1
Nambour	4560	Maroochy	1
Narangba	4504	Caboolture	2
Narangba	4504	Pine	2
Nathan	4111	Lower Brisbane	1
Natural Bridge	4211	Nerang	1
Nerang	4211	Nerang	2
Nerang	4211	Pimpama-Coomera	2
Neranwood	4213	Nerang	1
Neurum	4514	Stanley	1
New Beith	4124	Logan	2
New Beith	4124	Lower Brisbane	2
New Chum	4303	Lower Brisbane	1
New Farm	4005	Lower Brisbane	1
Newmarket	4051	Lower Brisbane	1
Newport	4020	Pine	1
Newstead	4006	Lower Brisbane	1
Newtown	4305	Bremer	1
Ninderry	4561	Maroochy	1
Nindooibah	4285	Albert	1
Ningi	4511	Caboolture	2
Ningi	4511	Pumicestone	2
Noosa Heads	4567	Noosa	1
Noosa North Shore	4565	Noosa	1
Noosaville	4566	Noosa	1
Norman Park	4170	Lower Brisbane	1
North Arm	4561	Maroochy	1
North Booval	4304	Bremer	1
North Ipswich	4305	Bremer	1
North Lakes	4509	Pine	1
North Maclean	4280	Logan	1
North Stradbroke Island	4183	Moreton Bay and Islands	1
North Tivoli	4305	Bremer	1
Northgate	4013	Lower Brisbane	1
Norwell	4208	Pimpama-Coomera	1
Nudgee	4014	Lower Brisbane	1

Suburb	Postcode	Catchment	Repeat
Nudgee Beach	4014	Lower Brisbane	1
Nukku	4306	Upper Brisbane	1
Numinbah Valley	4211	Nerang	1
Nundah	4012	Lower Brisbane	1
Nutgrove	4352	Upper Brisbane	1
Oaky Creek	4285	Logan	1
Obum Obum	4309	Bremer	1
Ocean View	4521	Caboolture	1
One Mile	4305	Bremer	1
O'Reilly	4275	Albert	1
Ormeau	4208	Logan	1
Ormeau Hills	4208	Pimpama-Coomera	1
Ormiston	4160	Redland	1
Ottaba	4313	Upper Brisbane	1
Oxenford	4210	Pimpama-Coomera	1
Oxley	4075	Lower Brisbane	1
Pacific Paradise	4564	Maroochy	1
Pacific Pines	4211	Pimpama-Coomera	1
Paddington	4064	Lower Brisbane	1
Palen Creek	4287	Logan	1
Pallara	4110	Lower Brisbane	1
Palm Beach	4221	Tallebudgera-Currumbin	1
Palmtree	4352	Lockyer	1
Palmview	4553	Mooloolah	1
Palmwoods	4555	Maroochy	1
Paradise Point	4216	Moreton Bay and Islands	2
Paradise Point	4216	Pimpama-Coomera	2
Park Ridge	4125	Logan	1
Park Ridge South	4125	Logan	1
Parkinson	4115	Lower Brisbane	1
Parklands	4560	Maroochy	1
Parkwood	4214	Pimpama-Coomera	1
Parrearra	4575	Mooloolah	1
Patrick Estate	4311	Lockyer	2
Patrick Estate	4311	Mid Brisbane	2
Peachester	4519	Stanley	1
Peak Crossing	4306	Bremer	1
Peel Island	4184	Moreton Bay and Islands	1
Pelican Waters	4551	Pumicestone	1
Peregian Beach	4573	Noosa	1
Peregian Springs	4573	Maroochy	1
Perseverance	4352	Upper Brisbane	1
Perwillowen	4560	Maroochy	1
Petrie	4502	Pine	1
Petrie Terrace	4000	Lower Brisbane	1
Pierces Creek	4355	Upper Brisbane	1
Pimpama	4209	Pimpama-Coomera	1
Pine Mountain	4306	Mid Brisbane	1



Suburb	Postcode	Catchment	Repeat
Pinelands	4355	Upper Brisbane	1
Pinjarra Hills	4069	Lower Brisbane	1
Pinkenba	4008	Lower Brisbane	1
Placid Hills	4343	Lockyer	1
Plainland	4341	Lockyer	1
Point Arkwright	4573	Maroochy	1
Point Lookout	4183	Moreton Bay and Islands	1
Port Of Brisbane	4178	Moreton Bay and Islands	1
Postmans Ridge	4352	Lockyer	1
Prenzlau	4311	Lockyer	1
Preston	4352	Lockyer	1
Priestdale	4127	Redland	1
Prince Henry Heights	4350	Lockyer	1
Pullenvale	4069	Lower Brisbane	1
Purga	4306	Bremer	1
Raceview	4305	Bremer	1
Radford	4307	Bremer	1
Ramsay	4358	Lockyer	1
Rangeville	4350	Lockyer	1
Ransome	4154	Redland	1
Rathdowney	4287	Logan	1
Ravensbourne	4352	Upper Brisbane	1
Red Hill	4059	Lower Brisbane	1
Redbank	4301	Lower Brisbane	1
Redbank Creek	4312	Upper Brisbane	1
Redbank Plains	4301	Lower Brisbane	1
Redcliffe	4020	Pine	1
Redland Bay	4165	Logan	2
Redland Bay	4165	Redland	2
Redwood	4350	Lockyer	1
Reedy Creek	4227	Nerang	1
Regency Downs	4341	Lockyer	1
Regents Park	4118	Logan	1
Richlands	4077	Lower Brisbane	1
Rifle Range	4311	Lockyer	1
Ringtail Creek	4565	Noosa	1
Ringwood	4343	Lockyer	1
Ripley	4306	Bremer	1
Riverhills	4074	Lower Brisbane	1
Riverview	4303	Bremer	2
Riverview	4303	Lower Brisbane	2
Roadvale	4310	Bremer	1
Robertson	4109	Lower Brisbane	1
Robina	4226	Nerang	1
Rochedale	4123	Lower Brisbane	1
Rochedale South	4123	Redland	1
Rocklea	4106	Lower Brisbane	1
Rockmount	4344	Lockyer	1

Suburb	Postcode	Catchment	Repeat
Rocksberg	4510	Caboolture	1
Rockside	4343	Lockyer	1
Ropeley	4343	Lockyer	1
Rosemount	4560	Maroochy	1
Rosevale	4340	Bremer	1
Rosewood	4340	Bremer	1
Rothwell	4022	Pine	1
Royston	4515	Stanley	1
Runaway Bay	4216	Pimpama-Coomera	1
Runcorn	4113	Lower Brisbane	1
Running Creek	4287	Logan	1
Rush Creek	4521	Pine	1
Russell Island	4184	Moreton Bay and Islands	1
Sadliers Crossing	4305	Bremer	1
Salisbury	4107	Lower Brisbane	1
Samford Valley	4520	Pine	1
Samford Village	4520	Pine	1
Samsonvale	4520	Pine	1
Sandgate	4017	Lower Brisbane	1
Sandstone Point	4511	Moreton Bay and Islands	2
Sandstone Point	4511	Pumicestone	2
Sandy Creek	4515	Stanley	1
Sarabah	4275	Albert	1
Scarborough	4020	Pine	1
Scrub Creek	4313	Upper Brisbane	1
Seven Hills	4170	Lower Brisbane	1
Seventeen Mile	4344	Lockyer	1
Seventeen Mile Rocks	4073	Lower Brisbane	1
Shailer Park	4128	Logan	1
Sheep Station Creek	4515	Stanley	1
Sheldon	4157	Redland	1
Shelly Beach	4551	Mooloolah	1
Sherwood	4075	Lower Brisbane	1
Shorncliffe	4017	Lower Brisbane	1
Silkstone	4304	Bremer	1
Silver Ridge	4352	Lockyer	1
Silverbark Ridge	4124	Logan	1
Silverdale	4307	Bremer	1
Sinnamon Park	4073	Lower Brisbane	1
Sippy Downs	4556	Mooloolah	1
Slacks Creek	4127	Logan	1
Somerset Dam	4312	Stanley	1
South Brisbane	4101	Lower Brisbane	1
South East Nanango	4615	Upper Brisbane	1
South Maclean	4280	Logan	1
South Nanango	4615	Upper Brisbane	1
South Ripley	4306	Bremer	1
South Stradbroke	4216	Moreton Bay and Islands	1

Suburb	Postcode	Catchment	Repeat
Southern Lamington	4211	Logan	1
Southern Moreton Bay Islands	4212	Moreton Bay and Islands	1
Southport	4215	Nerang	2
Southport	4215	Pimpama-Coomera	2
Split Yard Creek	4306	Mid Brisbane	1
Spring Bluff	4352	Lockyer	1
Spring Creek	4343	Lockyer	1
Spring Hill	4000	Lower Brisbane	1
Spring Mountain	4124	Lower Brisbane	1
Springbrook	4213	Nerang	1
Springfield	4300	Lower Brisbane	1
Springfield Central	4300	Lower Brisbane	1
Springfield Lakes	4300	Lower Brisbane	1
Springwood	4127	Logan	1
St Aubyn	4352	Upper Brisbane	1
St Lucia	4067	Lower Brisbane	1
Stafford	4053	Lower Brisbane	1
Stafford Heights	4053	Lower Brisbane	1
Stanmore	4514	Stanley	1
Stapylton	4207	Albert	2
Stapylton	4207	Logan	2
Steiglitz	4207	Logan	2
Steiglitz	4207	Pimpama-Coomera	2
Stockleigh	4280	Logan	1
Stockyard	4344	Lockyer	1
Stony Creek	4514	Stanley	1
Strathpine	4500	Pine	1
Stretton	4116	Logan	2
Stretton	4116	Lower Brisbane	2
Summerholm	4341	Lockyer	1
Sumner	4074	Lower Brisbane	1
Sunnybank	4109	Lower Brisbane	1
Sunnybank Hills	4109	Lower Brisbane	1
Sunrise Beach	4567	Noosa	1
Sunshine Beach	4567	Noosa	1
Surfers Paradise	4217	Nerang	1
Swanbank	4306	Bremer	1
Tabooba	4285	Logan	1
Tabragalba	4285	Albert	1
Taigum	4018	Lower Brisbane	1
Tallai	4213	Nerang	1
Tallebudgera	4228	Tallebudgera-Currumbin	1
Tallebudgera Valley	4228	Tallebudgera-Currumbin	1
Tallegalla	4340	Lockyer	2
Tallegalla	4340	Mid Brisbane	2
Tamborine	4270	Albert	1
Tamborine Mountain	4272	Albert	2
Tamborine Mountain	4272	Pimpama-Coomera	2

Suburb	Postcode	Catchment	Repeat
Tamrookum	4285	Logan	1
Tamrookum Creek	4285	Logan	1
Tanah Merah	4128	Logan	1
Tanawha	4556	Mooloolah	1
Tarampa	4311	Lockyer	1
Taringa	4068	Lower Brisbane	1
Tarome	4309	Bremer	1
Taromeo	4306	Upper Brisbane	1
Tarragindi	4121	Lower Brisbane	1
Teelah	4306	Upper Brisbane	1
Templin	4310	Bremer	1
Teneriffe	4005	Lower Brisbane	1
Tennyson	4105	Lower Brisbane	1
Teviotville	4309	Bremer	1
Tewantin	4565	Noosa	1
Thagoona	4306	Bremer	1
The Bluff	4340	Bremer	2
The Bluff	4355	Upper Brisbane	2
The Gap	4061	Lower Brisbane	1
Thorneside	4158	Redland	1
Thornlands	4164	Redland	1
Thornton	4341	Lockyer	1
Thornville	4352	Upper Brisbane	1
Tinbeerwah	4563	Noosa	1
Tingalpa	4173	Lower Brisbane	1
Tivoli	4305	Bremer	1
Toogoolawah	4313	Upper Brisbane	1
Toorbul	4510	Pumicestone	1
Toowong	4066	Lower Brisbane	1
Towen Mountain	4560	Maroochy	1
Townson	4341	Lockyer	1
Tugun	4224	Tallebudgera-Currumbin	1
Twin Waters	4564	Maroochy	1
Underwood	4119	Logan	1
Undullah	4285	Logan	1
Upper Brookfield	4069	Lower Brisbane	1
Upper Caboolture	4510	Caboolture	1
Upper Coomera	4209	Pimpama-Coomera	1
Upper Cooyar Creek	4402	Upper Brisbane	1
Upper Flagstone	4344	Lockyer	1
Upper Kedron	4055	Lower Brisbane	1
Upper Lockyer	4352	Lockyer	1
Upper Mount Gravatt	4122	Lower Brisbane	1
Upper Pinelands	4355	Upper Brisbane	1
Upper Tenthill	4343	Lockyer	1
Upper Yarraman	4614	Upper Brisbane	1
Valdora	4561	Maroochy	1
Varsity Lakes	4227	Nerang	1

Suburb	Postcode	Catchment	Repeat
Veradilla	4347	Lockyer	1
Veresdale	4285	Logan	1
Veresdale Scrub	4285	Logan	1
Vernor	4306	Mid Brisbane	1
Verrierdale	4562	Maroochy	1
Victoria Point	4165	Redland	1
Villeneuve	4514	Stanley	1
Vinegar Hill	4343	Lockyer	1
Virginia	4014	Lower Brisbane	1
Wacol	4076	Lower Brisbane	1
Wakerley	4154	Lower Brisbane	2
Wakerley	4154	Redland	2
Wallaces Creek	4310	Logan	1
Walloon	4306	Bremer	1
Wamuran	4512	Caboolture	1
Wamuran Basin	4512	Caboolture	1
Wanora	4306	Mid Brisbane	1
Warana	4575	Mooloolah	1
Warner	4500	Pine	1
Warrill View	4307	Bremer	1
Washpool	4306	Bremer	1
Waterford	4133	Logan	1
Waterford West	4133	Logan	1
Wavell Heights	4012	Lower Brisbane	1
Wellington Point	4160	Redland	1
Welsby	4507	Pumicestone	2
Welsby	4507	Moreton Bay and Islands	1
West End	4101	Lower Brisbane	1
West Haldon	4359	Lockyer	1
West Ipswich	4305	Bremer	1
West Woombye	4559	Maroochy	1
Westlake	4074	Lower Brisbane	1
Westvale	4514	Stanley	1
Weyba Downs	4562	Noosa	1
White Mountain	4352	Lockyer	1
White Patch	4507	Pumicestone	2
White Patch	4507	Moreton Bay and Islands	1
White Rock	4306	Bremer	2
White Rock	4306	Lower Brisbane	2
Whiteside	4503	Pine	1
Wights Mountain	4520	Pine	1
Willawong	4110	Lower Brisbane	1
Willow Vale	4209	Pimpama-Coomera	1
Willowbank	4306	Bremer	1
Wilson's Plains	4307	Bremer	1
Wilston	4051	Lower Brisbane	1
Windaroo	4207	Albert	1
Windsor	4030	Lower Brisbane	1

Suburb	Postcode	Catchment	Repeat
Winwill	4347	Lockyer	1
Winya	4515	Stanley	1
Wishart	4122	Lower Brisbane	1
Withcott	4352	Lockyer	1
Witheren	4275	Pimpama-Coomera	1
Wivenhoe Hill	4311	Upper Brisbane	1
Wivenhoe Pocket	4306	Mid Brisbane	1
Wolffdene	4207	Albert	1
Wongawallan	4210	Pimpama-Coomera	1
Wonglepong	4275	Albert	1
Woodbine	4343	Lockyer	1
Woodend	4305	Bremer	1
Woodford	4514	Stanley	1
Woodhill	4285	Logan	1
Woodlands	4343	Lockyer	1
Woodridge	4114	Logan	1
Woody Point	4019	Pine	1
Woolloongabba	4102	Lower Brisbane	1
Woolmar	4515	Stanley	1
Woolooman	4310	Bremer	1
Wooloowin	4030	Lower Brisbane	1
Woolshed	4340	Lockyer	1
Woombye	4559	Maroochy	1
Woongoolba	4207	Logan	1
Woorim	4507	Pumicestone	2
Woorim	4507	Moreton Bay and Islands	1
Wootha	4552	Stanley	1
Worongary	4213	Nerang	1
Wulkuraka	4305	Bremer	1
Wurtulla	4575	Mooloolah	1
Wutul	4352	Upper Brisbane	1
Wyaralong	4310	Logan	1
Wynnum	4178	Redland	1
Wynnum West	4178	Lower Brisbane	1
Yamanto	4305	Bremer	1
Yandina	4561	Maroochy	1
Yandina Creek	4561	Maroochy	1
Yaroomba	4573	Maroochy	1
Yarrabilba	4207	Logan	1
Yarraman	4614	Upper Brisbane	1
Yatala	4207	Albert	2
Yatala	4207	Logan	2
Yeerongpilly	4105	Lower Brisbane	1
Yeronga	4104	Lower Brisbane	1
Yimbun	4313	Upper Brisbane	1
Yugar	4520	Pine	1
Zillmere	4034	Lower Brisbane	1

## Appendix B. Survey instrument

Thank you for participating in this research survey. It asks a wide range of people about their experiences of waterways. This research is being conducted by the Queensland University of Technology and University of Queensland. Participation takes about 15 minutes.

All your responses are anonymous. You can stop anytime.

You can find out more about this study in this [information sheet](#).

**As you read the questions, please remember that there are no right or wrong answers. Select the answer that most closely represents your view or experience.**

If you consent to participate in this survey, please click on 'I agree' below, and complete the survey that follows. If you don't want to participate, just close your browser.

- I agree

### Screening questions

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1. What is your age group?
  - 18-24 years
  - 25-34 years
  - 35-44 years
  - 45-54 years
  - 55-64 years
  - 65+ years
  
2. What is your gender?
  - Female
  - Male
  - Non-binary
  - Prefer to describe as
  - Prefer to describe as.....
  
3. Which region best describes where you live:
  - A.C.T.
  - New South Wales
  - Northern Territory
  - QLD
  - South Australia
  - Tasmania
  - Victoria
  - Western Australia
  
4. Which region of South East Queensland best describes where you live?
  - Brisbane
  - Ipswich
  - Logan
  - Gold Coast
  - Redlands
  - Scenic Rim
  - Lockyer Valley
  - Moreton Bay
  - Somerset
  - Sunshine Coast
  - I don't live in South East Queensland

5. What suburb do you live in? This information helps us to know which river catchment is most important for where you live.

## Report Card questions

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**This survey is all about waterways.**

A waterway is a passage for water or a body of water, including all types of permanent and temporary creeks, rivers, wetlands and bays. First some definitions:

**Waterways include:** all estuaries, foreshores, coastal and marine waters. Waterways may be a freshwater or saltwater creek or river, a lake or dam, a bay, lagoon or canal, or a surf beach.

**Local waterways** – these are waterways **within 15km of your home**.

**South East Queensland (SEQ) waterways** – these are **any waterway located in the SEQ region** (from Noosa in the north, to the Gold Coast in the south, and west to Toowoomba).

**Visiting or using waterways.** means taking part in activities **in and on the water** such as boating or swimming. We also mean activities **alongside these waterways** such as walking, camping, or having a picnic.

**Question repetition:** Some questions will appear very similar. This is a necessary part of the research, which requires us to measure some concepts a number of times in slightly different ways.

**We value your responses - Thanks for your patience.**

1. Thinking about the statements below, indicate how much you agree or disagree:

*Response options: 7 points: 1, 2, 3, 4, 5, 6, 7 Anchored at the ends only: 1 = strongly disagree, 7 = strongly agree*

- 1.1. Overall, I am satisfied with my local waterways
- 1.2. Overall, my local waterways are close to my ideal
- 1.3. Overall, I am delighted with my experiences with my local waterways
- 1.4. Overall, I am very satisfied with my decisions to use/visit my local waterways
- 1.5. I am happy when I visit or use local waterways with my friends
- 1.6. I find using my local waterways more interesting when my friends are with me
- 1.7. It is more interesting to use my local waterway(s) as part of a group
- 1.8. Social outings at my local waterways make them more interesting
- 1.9. Spending time using my local waterways gives me a break from my day-to-day routine
- 1.10. My local waterways are a place to get away from it all
- 1.11. Using my local waterways helps me to relax
- 1.12. Using my local waterways helps me to get relief from everyday stress
- 1.13. My local waterways have fascinating features
- 1.14. There is a lot to explore and discover at my local waterways
- 1.15. My local waterways are exciting
- 1.16. My local waterways are fascinating
- 1.17. Overall, my local waterways are easy to access
- 1.18. I find it easy to access my local waterways
- 1.19. Accessing my local waterways is simple
- 1.20. It is fairly straightforward to get to my local waterways



- 1.21. Overall, I get a lot out of using my local waterways
- 1.22. Overall, I find my local waterways easy to use
- 1.23. Overall, it doesn't take much effort to use my local waterways
- 1.24. Overall, I would like to use my local waterways more often
- 1.25. Using local waterways is part of the way I have chosen to live my life
- 1.26. Using local waterways is a fundamental part of who I am
- 1.27. Using local waterways is an integral part of my life

2. These questions are about nature in general. Thinking about these statements, indicate how much you agree or disagree:

*Response options: 7 points: 1, 2, 3, 4, 5, 6, 7 Anchored at the ends only: 1 = strongly disagree, 7 = strongly agree*

- 2.1. I take notice of wildlife wherever I am
- 2.2. My relationship to nature is an important part of who I am
- 2.3. I feel very connected to all living things and the earth
- 2.4. I always think about how my actions affect the environment

3. The following questions ask you about how you use waterways, where and how often. Thinking about the last 12 months, have you done any of the following activities in, on, or alongside a waterway?

	Yes	No
3.1. Picnics, BBQs		
3.2. Walking, running		
3.3. Swimming		
3.4. Cycling		
3.5. 4WD driving, trail bike riding		
3.6. Jet skiing, water skiing		
3.7. Camping		
3.8. Recreational fishing		
3.9. Boating, sailing		
3.10. Rowing, kayaking, canoeing		
3.11. Surfing, kite-surfing, sail boarding		
3.12. Scuba diving, snorkelling		
3.13. Enjoying nature e.g. birdwatching, conservation, photography		
3.14. Catching a ferry		
3.15. Other <i>(with option to add text)</i>		

4. Thinking about the past 12 months, where have you done the following activities? Select all that apply

	Locally (within 15km of my home)	Elsewhere in SEQ	Elsewhere in Australia
<i>* auto-generate the list of activities based on 'yes' answers to above Q</i>			

5. Thinking about the past 12 months, please indicate how often you used or visited a LOCAL WATERWAY, within 15 km of your home, for the following activities?

	Never	Almost every day	Every week	Every fortnight	Every month	Once or twice a year	Every few years

* auto-generate the list of activities based on "Locally" answers to above question							
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**Flood exposure and impacts**

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1. Which of the following best describes your experience with the worst of the flooding in the last 6 months:
  - o Floodwaters came into my house
  - o Floodwaters came into my yard but not into the house
  - o Floodwaters came into my street, but not my yard or house
  - o Floodwaters came into my suburb, but not my street
  - o My suburb did not experience flooding

2. Thinking of the worst flooding you experienced in the last 6 months, to what degree were you affected by the following:

*Response options: 6 points: 1, 2, 3, 4, 5, 6, 7 Anchored at the ends only: 1 = not impacted, 6 = strongly impacted*

- 2.2. Damage to my home or possessions
- 2.3. Damage to buildings and facilities in my local area
- 2.4. Disruption of electricity, telephone, internet or water supplies
- 2.5. Loss of personal finances (e.g. lost income or assets)
- 2.6. You and your family's physical health (e.g. injuries, poor access to medical services)
- 2.7. Damage to natural areas (e.g. parks) in your suburb
- 2.8. Damage to waterways or coastal areas in your local area
- 2.9. Less time available for recreation
- 2.10. Reduced mental wellbeing
- 2.11. Reduced mental wellbeing of people close to you (e.g. family, neighbours)

**Moreton Bay**

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*The next series of questions are about Moreton Bay - the large bay off the coast of South East Queensland.*

1. When you think about Moreton Bay, what are the first words or things that come to mind?
2. When you think about Moreton Bay, what particular place comes to mind?
3. When you think about Moreton Bay, what is the first animal that comes to mind?
4. When you think about Moreton Bay, what do you think is found under the water or on the seafloor?
5. When you think about Moreton Bay, what do you think is found under the water?
6. How would you describe Moreton Bay to a friend or family member visiting from out of town?

7. Is there a part of Moreton Bay that is important or special for you?
- Yes
  - Maybe
  - No
8. Please describe what is special to you about Moreton Bay:
9. Moreton Bay Marine Park is an area within Moreton Bay. Have you heard of Moreton Bay Marine Park?
- No, definitely haven't heard of this
  - Probably haven't heard of this
  - Not sure
  - Probably have heard of this
  - Yes, definitely heard of this
10. How would you rate your knowledge about Moreton Bay Marine Park?
- No knowledge
  - Very little knowledge
  - Some knowledge
  - Moderate knowledge
  - Strong knowledge
  - Very strong knowledge
11. Moreton Bay Marine Park is managed by the Queensland Government. If you were asked to describe your opinion of what 'managing the Marine Park' involves - what types of activities come to mind?
- Response options: 5 points: 1, 2, 3, 4, 5 Anchored at the ends only: 1 = strongly disagree, 5 = strongly agree*
- 11.1 The Marine Park supports a wide range of recreational activities
  - 11.2 Zones and permits reduce impacts on high-use and sensitive areas
  - 11.3 I know where to find out information about what activities are allowed in the Marine Park
  - 11.4 The Marine Park protects shorebirds
  - 11.5 The Marine Park manages activities in the water but not on the shoreline
  - 11.6 Motor vessels are not allowed in Go slow areas
  - 11.7 Fishing is not allowed within any part of the Marine Park
  - 11.8 The Marine park prohibits a wide range of recreational activities
12. Have you used any of the following to find out about Moreton Bay Marine Park
- Response options: Yes, Maybe, No*
- 12.1 Moreton Bay Marine Park User Guide - online
  - 12.2 Moreton Bay Marine Park User Guide - hard copy
  - 12.3 Queensland Government websites
  - 12.4 Queensland Fishing App
  - 12.5 Tourist Information Centres
  - 12.6 Local government (council) websites
  - 12.7 Fishing Guides
  - 12.8 Friends and family
  - 12.9 Tourism services e.g. accommodation and ferry services
  - 12.10 Other

13. Which of the following information sources would you be most likely to access as convenient and trusted source of information (select up to 3)

- Moreton Bay Marine Park User Guide - online
- Moreton Bay Marine Park User Guide - hard copy
- Queensland Government websites
- Queensland Fishing App
- Tourist Information Centres
- Local government (council) websites
- Fishing Guides
- Friends and family
- Tourism services e.g. accommodation and ferry services
- Other \_\_\_\_\_
- None of the above

*Moreton Bay is the large bay and ocean area that stretches from Caloundra to the Gold Coast, including the seaside communities of Redcliffe, Shorncliffe, Manly, and Cleveland. It is about 115 km (71 miles) long from north to south and 40 km (25 miles) at its widest point. Within Moreton Bay are the smaller bays of Waterloo, Raby, Deception and Bramble Bay. There are many islands in Moreton Bay - large islands include Moreton, North Stradbroke, South Stradbroke, and Bribie, while smaller islands include Russell-Macleay and Coochiemudlo Islands and the uninhabited islands of Green, St Helena and Peel Island. The Moreton Bay Marine Park also includes Pumicestone Passage and extends 3 miles offshore.*

14. Please indicate whether you agree or disagree with the following statements about Moreton Bay:

*Response options: 6 points: 1, 2, 3, 4, 5, 6 Anchored at the ends only: 1 = strongly disagree, 6 = strongly agree*

- 14.1 Moreton Bay does not provide any benefits to me
- 14.2 Moreton Bay is important because it provides jobs and income for South East Queenslanders
- 14.3 Moreton Bay is important because it's a popular recreation and tourism destination
- 14.4 Knowing that unspoiled natural places exist in Moreton Bay is important to me
- 14.5 Moreton Bay should be kept healthy for future generations

*This next set of questions are about your perceptions about the health of Moreton Bay.*

15. In your opinion, how would you describe the overall health of Moreton Bay?

- 1. Very unhealthy
- 2
- 3
- 4
- 5
- 6. Very healthy
- Don't know

16. In your opinion, do you think the health of Moreton Bay is improving or worsening?

- 1. Definitely worsening
- 2
- 3
- 4
- 5
- 6. Definitely improving
- Don't know

17. In your opinion, how would you describe the water quality in Moreton Bay? <br>

- 1. Very poor water quality

- 2
- 3
- 4
- 5
- 6. Excellent water quality
- Don't know

18. In your opinion, how would you describe the health of the natural environment in Moreton Bay?

- 1. Very unhealthy
- 2
- 3
- 4
- 5
- 6. Very healthy
- Don't know

19. The mangroves, seagrass and mudflats in Moreton Bay provide nurseries for which marine species?

- Prawns
- Crabs
- Whiting
- All of the above
- None of the above
- I don't know

20. Which of the following help to maintain water quality in Moreton Bay?

- Mangroves
- Seagrass
- Coastal wetlands
- Oyster reefs
- All of the above
- None of the above
- I don't know

**The next few questions are about your impressions if you heard or read different things about Moreton Bay.**

21. If you heard that there were **corals** in Moreton Bay, would you say this was:

- Not at all new to me
- Slightly new to me
- Somewhat new to me
- New to me
- Totally new to me

22. If you heard that there was an **important dugong population** in Moreton Bay, would you say this was:

- Not at all new to me
- Slightly new to me
- Somewhat new to me
- New to me
- Totally new to me

23. If you heard that Moreton Bay was home to **endangered birds that migrate from the northern hemisphere**, would you say this was:

- Not at all new to me
- Slightly new to me
- Somewhat new to me
- New to me
- Totally new to me

24. If you heard that **six species of sea turtle** are found in Moreton Bay, would you say this was:

- Not at all new to me
- Slightly new to me
- Somewhat new to me
- New to me
- Totally new to me

*The next few questions are about how you might feel about different features of Moreton Bay. When we say "excited" we mean "pleased" or "interested".*

25. How excited would you be to know there are **corals** in Moreton Bay?

- 1. Not at all excited
- 2
- 3
- 4
- 5
- 6. Very excited

26. How excited would you be to know there are **important dugong populations** in Moreton Bay?

- 1. Not at all excited
- 2
- 3
- 4
- 5
- 6. Very excited

27. How excited would you be to know there are **six species of sea turtle** are found in Moreton Bay?

- 1. Not at all excited
- 2
- 3
- 4
- 5
- 6. Very excited

28. How excited would you be to know that Moreton Bay is home to **endangered birds that migrate from the Northern Hemisphere**?

- 1. Not at all excited
- 2
- 3
- 4
- 5
- 6. Very excited

29. In the last 12 months, how often have you visited Moreton Bay for recreation - near the water or on the water?

- Never

- Once or twice
  - Every few months
  - Monthly
  - Fortnightly
  - Weekly
  - Most days
30. In the last 12 months, how often have you or your household purchased seafood sourced from Moreton Bay?
- I don't purchase seafood
  - Every few months
  - Monthly
  - Fortnightly
  - Weekly
  - I don't know where my seafood comes from
31. What type of seafood do you usually purchase? (tick all that apply)
- Fin fish
  - Moreton Bay Bugs
  - Other shellfish (e.g. prawns)
  - Molluscs (e.g oysters, prawns)
  - Bait
  - Other \_\_\_\_\_
32. To what degree would you prefer your seafood to be sourced from Moreton Bay? (as opposed to further away)
- It doesn't matter to me
  - Prefer a little
  - Prefer a lot
33. How willing are you to use a mobile app or check a website to find out which seafood choices are most sustainable?
- 1. Not at all willing
  - 2
  - 3
  - 4
  - 5
  - 6. Very willing
34. There are many different approaches to managing Moreton Bay for everyone. Here is a list of different strategies that might be used to manage Moreton Bay. Which of these are you most supportive of? (Select up to three)
- Investment in managing pollution coming from urban stormwater
  - Providing subsidies for farmers and industries to help them prevent mud and pollution running into rivers and Moreton Bay
  - Stronger enforcement of rules to prevent mud and pollution running from farms and industries into rivers and Moreton Bay
  - Creating more 'green zones' – areas where fishing is not allowed
  - Stronger enforcement of rules about using the bay, such as 'go slow' areas and fishing zones
  - Creating more infrastructure for visitors to Moreton Bay
  - Protecting wetlands and coastal areas from coastal development
  - Investing in campaigns that encourage people to 'do the right thing' in protecting Moreton Bay
  - Investing in upgrading sewage treatment processes

- Community education programs to improve knowledge about the natural environment of Moreton Bay

35. The following statements are about protecting Moreton Bay. Please indicate whether the statements reflect your views.

*Response options: 6 points: 1, 2, 3, 4, 5, 6 Anchored at the ends only: 1 = Does not reflect my view, 6 = Definitely reflects my view*

- 35.1 There are things I can do to help Moreton Bay
- 35.2 It is easy for me to do things that help Moreton Bay
- 35.3 My personal actions are unlikely to influence Moreton Bay
- 35.4 Its important for people like me to help care for Moreton Bay
- 35.5 Its important for people in South East Queensland to help care for Moreton Bay
- 35.6 Its hard for me to do things that help Moreton Bay

36. How willing would you be to tell others about the natural features of Moreton Bay?

*Response options: 10 points: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Anchored at the ends only: 1 = Not at all willing, 10 = Very willing*

37. How willing would you be to encourage others to look after Moreton Bay?

*Response options: 10 points: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Anchored at the ends only: 1 = Not at all willing, 10 = Very willing*

38. How willing would you be to share information (e.g. via social media, email or brochure) about how to care for Moreton Bay?

*Response options: 10 points: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 Anchored at the ends only: 1 = Not at all willing, 10 = Very willing*

### **Subjective proximity (PANEL PARTICIPANTS ONLY)**

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3. From your home, how long would it take you to walk to the nearest **public park**?
  - 1–5 minutes
  - 6–10 minutes
  - 11–20 minutes
  - 21–30 minutes
  - > 30 minutes
  - Don't know.
  
4. From your home, how long would it take you to drive to the nearest **waterway (e.g. river, creek or lake)**?
  - 1–5 minutes
  - 6–10 minutes
  - 11–20 minutes
  - 21–30 minutes
  - > 30 minutes
  - Don't know.
  
5. From your home, how long would it take you to drive to the **coast (e.g. Moreton Bay, or an ocean beach)**?
  - 1–5 minutes
  - 6–10 minutes
  - 11–20 minutes
  - 21–30 minutes



- 30 – 60 minutes
- > 60 minutes
- Don't know.

## HLW Petition

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Healthy Land and Water currently have a petition advocating for greater investment in flood and disaster resilience in South East Queensland. This can be achieved by better management of waterways and landscapes to reduce flooding impacts. Would you like to sign this petition? If you click yes, you will be provided with a link to a separate webpage at the end of the survey.

- Yes, please provide the link
- Perhaps - I will look at the link
- No

## Demographics

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The next few questions are about how you feel about different aspects of your life. There are no right or wrong answers.

1. Overall, how satisfied are you with your life nowadays?

1. Not at all satisfied	2	3	4	5	6	7	8	9	10. Very satisfied
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2. Overall, to what extent do you feel the things you do in your life are worthwhile?

1. Not at all worthwhile	2	3	4	5	6	7	8	9	10. Very worthwhile
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3. Overall, how happy did you feel yesterday?

1. Not at all happy	2	3	4	5	6	7	8	9	10. Very happy
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4. Overall, how anxious did you feel yesterday?

1. Not at all anxious	2	3	4	5	6	7	8	9	10. Very anxious
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You are almost finished. These final questions ask a little more about you.

5. What year were you born? [drop down box 2002-1920]
6. How many years have you lived in South East Queensland?  
[dropdown menu of number of years, starting with "Less than a year"]
7. How many years have you lived in your current suburb?  
[dropdown menu of number of years, starting with "Less than a year"]
8. Were you born in Australia?
  - Yes
  - No
9. When at home, do you speak a language that is not English?

- I only speak English at home
- I sometimes speak another language at home

10. Do you have children 13-18 years living at home?

- Yes, most of the time
- Yes, sometimes
- No

11. Do you have children 12 years or younger living at home?

- Yes, most of the time
- Yes, sometimes
- No

12. What is the highest level of education you have completed to date?

- Primary school
- High school
- Certificate or diploma
- Apprenticeship or trade certificate
- Bachelor's Degree
- Postgraduate Degree
- Other qualification (*please specify*) [*open-ended response*]

13. How would you describe your current primary employment?

- Working at all (including fulltime, part time, or self employed)
- Unemployed and looking for work
- Unemployed and not seeking work
- Retired
- Student
- Caring for others (unpaid)
- Something else (*please specify*) [*open-ended response*]

14. The median (middle point) for household income in Australia is about \$88,000 per year before tax. Which of the following best describes your household income?

- Below \$88,000
- About \$88,000
- Above \$88,000
- Prefer not to say

15. You have reached the end of the survey! Thank you for your contribution. There are a few last things to wrap up before you finish.

16. If you have any other comments or feedback about your local waterway or any topic related to this research, please add them here. (*Optional*)

17. Would you like more information about looking after waterways? If so, please visit the [Healthy Land & Water web page](#) for more information about how you can get involved with protecting your local waterways.

18. Here is the link to the petition about increasing investment in flood and disaster resilience in South East Queensland. This will open in a new window. Don't forget to click next on the survey to go through to confirm survey completion.



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