

# Myriad Research

*ENGAGE - INFORM - EMPOWER*



## Derwent Estuary Program

**COMMERCIAL IN CONFIDENCE**

### Research Report

Final

Project: Community Survey

Conducted: June 2019

Reported: August 2019

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## Executive Overview

The research was commissioned to assess the relevance of the Derwent Estuary in relation to the following key aspects -

- local environmental issues;
- engagement with the Derwent Estuary for recreational activities;
- importance of the Derwent Estuary;
- perceptions of the health of the Estuary;
- environmental threats to the Estuary;
- responsibility for Derwent Estuary protection;
- awareness of the Derwent Estuary Program;
- awareness and relevant information sources for DEP activities.

This project was a follow-up to community surveys conducted by Myriad Research in 2007 and 2013.

The community survey was conducted via online survey and telephone interview with residents of Greater Hobart, within the Clarence, Hobart, Glenorchy, Kingborough, Brighton and Derwent Valley local government areas.

Fieldwork was conducted during June 2019 by the Myriad Research interview team in accordance with the relevant quality assurance and privacy protocols. The total sample of 404 respondents provides statistically robust outcomes for the total target population, and indicative outcomes for key segments.

## Respondent profile

The table summarises sample distribution across the six Council areas surveyed, with 2013 and 2007 comparison.

LGA	2019		2013	2007
	Number of respondents	% total sample	% total sample	% total sample
Clarence	89	22.0	20.0	19.5
Hobart	79	19.6	21.3	20.0
Kingborough	74	18.3	20.0	20.0
Glenorchy	91	22.5	18.7	20.5
Brighton	49	12.1	12.7	12.0
Derwent Valley	22	5.4	7.3	8.0
Total	404	100.0	100.0	100.0

Additional quotas were set to ensure a representative mix for the total sample and across the Council areas, with overall profile as follows ...

- 41% male, 59% female
- 30% aged 18 – 39 years, 39% aged 40 – 59 years, 31% aged 60 plus
- 40% of respondents had children under 18 living at home
- 35% were white collar workers (main income earner in household or previous occupation/study profile), 46% grey collar, 19% blue collar

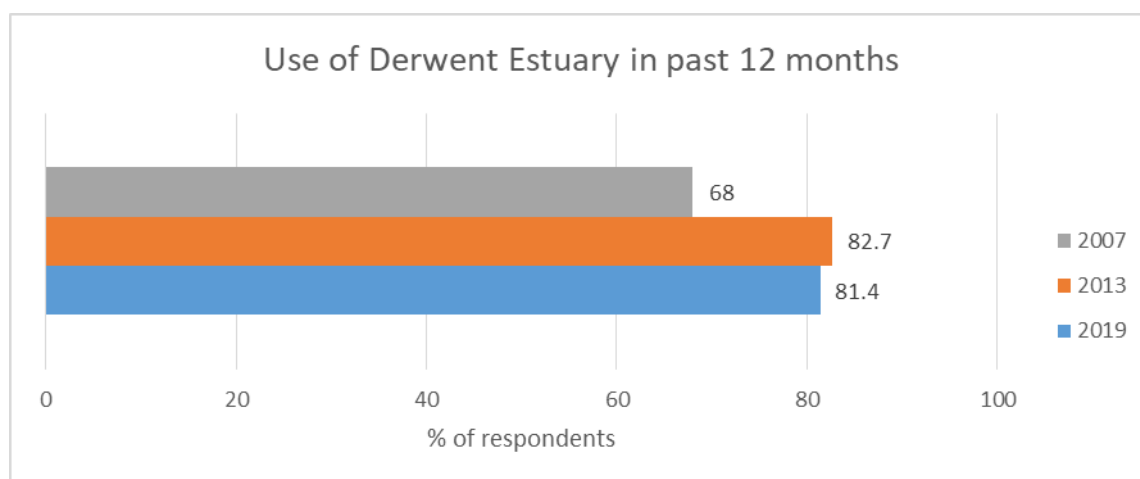
## Key research findings

*Respondents were first asked what they felt were the main local environmental issues – areas of most concern to their family, lifestyle and day to day living.*

- Of the total 675 environmental issues nominated by respondents, 142 related to the **Derwent Estuary** – either directly or relating to water quality generally or sewerage issues – equating to **21% of total environmental issues identified**.
- Whilst the proportion of environmental issues relating to the Derwent Estuary was marginally down on the 2013 result (24% of total), there was a marked increase in the number of environmental issues identified per respondent – 1.7 compared with 1.1.
- A significant number of identified local environmental issues, whilst not relating *directly* to the health of the Derwent Estuary, are likely to be relevant in terms of a 'flow on' effect – **climate change, pollution, waste management** (particularly plastics and recycling), **litter/rubbish** generally and **over development**.

*Respondents were next asked about their level of engagement with the Derwent Estuary over the past 12 months.*

- Over **80%** of respondents reported some level of **engagement** with the Derwent Estuary over the past 12 months – a similar level to the 2013 round and well up on the 2007 result as highlighted in the following chart.



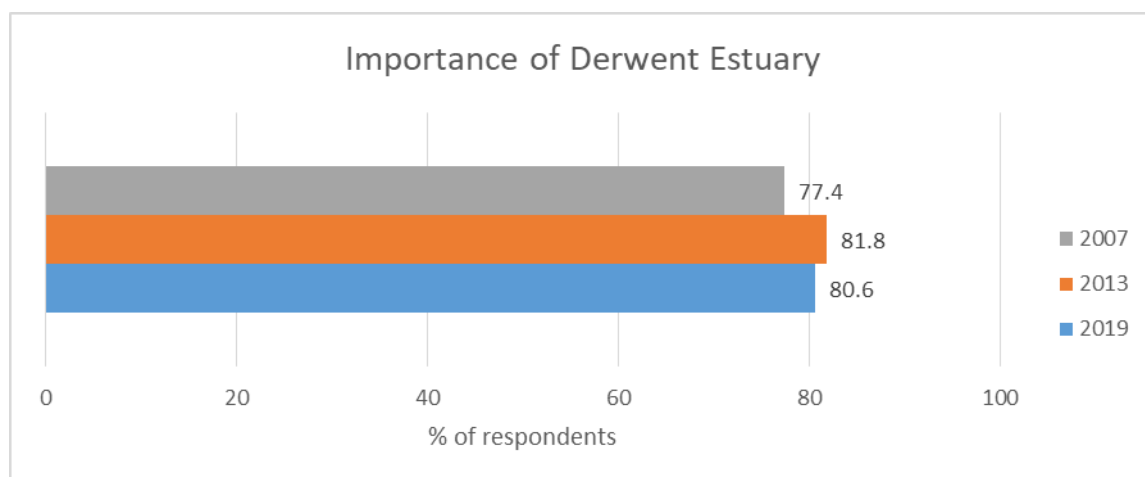
- The table summarises the range of activities and highlights the change in activity patterns over the three survey rounds.

	2019	2013	2007
	% total sample	% total sample	% total sample
swimming	31.7	31.0	18.5
boating/sailing/ rowing	23.3	31.7	20.0
fishing	22.5	29.3	21.5
walking	71.0	69.3	47.5
other recreation	14.1	19.7	1.5
other activity	8.2	10.0	3.0
<b>use for some activity</b>	<b>81.4</b>	<b>82.7</b>	<b>68.0</b>
no activity undertaken	18.6	17.3	32.0

- The table indicates a similar activity profile to the 2013 result, with **walking** again the most prevalent recreational activity relating to the Derwent Estuary.
- Bike riding, kayaking, dog walking and photography are prevalent within the 'other activities' listed in the Report.
- The Report identifies the range of locations and frequency for each reported activity for each of the local government areas and in total.
- Just five respondents from the total sample of 404 reported collecting **seaweed** from the Derwent Estuary over the past 12 months.

*Respondents were asked to rate the importance of the Derwent Estuary to themselves and their family and to provide reasons for that rating.*

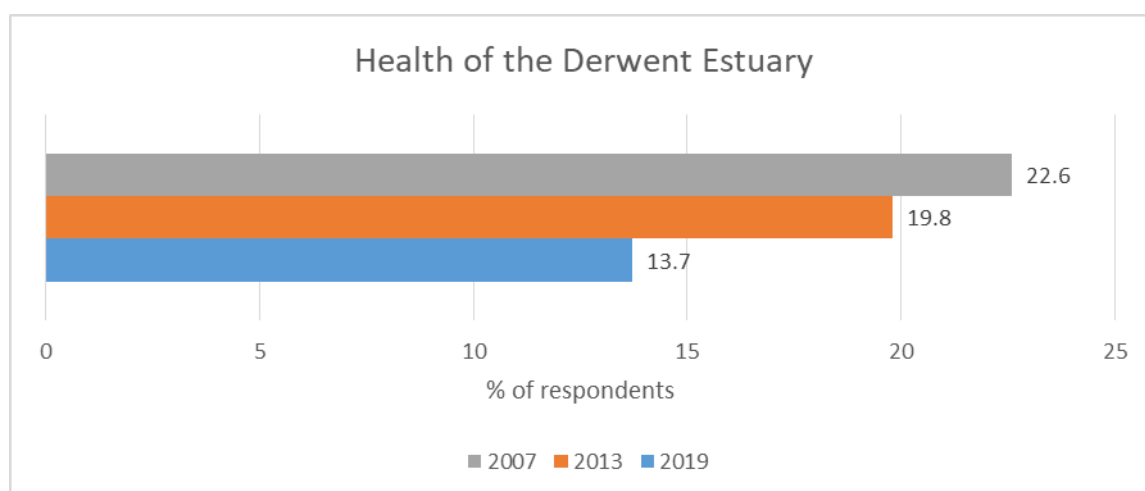
- The Derwent Estuary continues to be an important aspect of the quality of life for the people of Greater Hobart, with **80% of respondents** indicating that the **Estuary is important to them and their family**.
- The chart below shows the comparative importance rating over the three survey rounds.



- The 'importance' rating ranges from 71% for Brighton residents up to 92% for Hobart residents, with the **importance of the Estuary correlating with increased age of respondents** (90% importance rating for residents aged 60 plus, 70% for residents aged 18 – 39 years).
- Respondent comments in the body of the Report cover the wide range of reasons contributing to the central role the Derwent Estuary plays in the life of Hobartians.

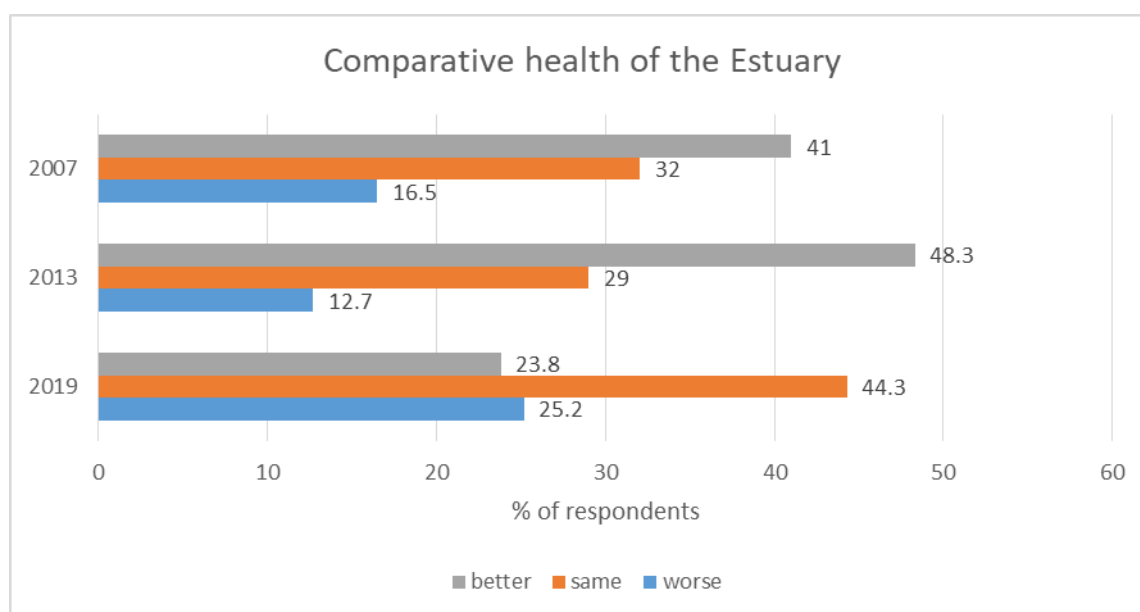
*How do people rate the present health of the Derwent Estuary – and how does it compare with five years ago?*

- The **perceived health of the Derwent Estuary continues to trend downwards**, highlighted in the chart below.



- Just 1 in 7 respondents gave a positive rating for the present health of the Derwent Estuary for this survey round, with an average rating of 2.7 on the 5 point scale – down from average 2.9 and 3.0 respectively for the 2013 and 2007 survey rounds.

- Resident perceptions of the present health of the Derwent Estuary ranged widely – from 47% positive for the Derwent Valley (comparatively small sample) down to around 9% positive for Kingborough and Glenorchy residents.
- **Younger respondents were more likely to be critical of the present health of the Derwent Estuary** compared with older (60 plus) respondents.
- Around 1 in 4 respondents were of the view that the condition of the Estuary is better than 5 years ago, a similar proportion worse than 5 years ago, with the highest proportion (44%) believing that the Estuary's condition is the same as 5 years ago.
- The chart highlights the better/same/worse profile of Greater Hobart householders over the three survey rounds.



*Respondents were next asked what they felt was the greatest environmental threat to the Derwent Estuary at the moment.*

- Reflecting earlier responses relating to environmental issues, **pollution** was seen as the greatest environmental threat to the Derwent Estuary at the present time, with **industry** and **sewerage** also seen as significant threats.
- The table below highlights the change in community perceptions from the previous survey round, with increased concern about pollution and to a lesser extent sewerage, and a lower level of concern about the environmental threat posed by industry.

<b>Environmental threats</b>	<b>2019</b>	<b>2013</b>
	<b>% of total</b>	<b>% of total</b>
Stormwater	12.1	16.3
Boats - rubbish overboard	8.9	4.7
Shipping	0.2	4.0
<b>Industry</b>	<b>24.3</b>	<b>35.3</b>
<b>Sewerage</b>	<b>19.8</b>	<b>15.7</b>
<b>Pollution - general</b>	<b>41.3</b>	<b>19.3</b>
Sea stars, other marine pests	2.2	7.7
Fishing	1.2	0.7
People not looking after it	1.5	14.0
Erosion	1.0	0.7
Climate change	1.5	-
Development	3.7	-
Plastics	4.7	-
Other	2.7	-
Nothing specified	8.2	12.3

*Who should be responsible for protection of the Estuary?*

- The table summarises responses with previous round comparisons.

	<b>2019</b>	<b>2013</b>	<b>2007</b>
<b>Organisation/group</b>	<b>% total mentions</b>	<b>% total mentions</b>	<b>% total mentions</b>
State Government	44.8	44.7	53.0
Local Government	44.8	37.0	27.0
Government - general	13.4	13.0	20.0
Community/everyone	27.7	24.3	14.5
Federal Government	5.9	5.3	7.5
Industry	3.0	6.0	1.0
Derwent Estuary Program	1.0	0.7	-
TasWater	4.2	-	-

- As highlighted in the table, residents are more likely to nominate State and Local Government as the agencies which should be mainly responsible for Estuary protection, with an **increased perception of Local Government responsibility** over the three survey rounds. **Likewise for the 'community/everyone'** as a responsible entity.
- The perceived role of the **Derwent Estuary Program** in this regard reflects the **low profile** of the organisation in the **public arena** – at least in an unprompted sense.



*The survey next tested respondents' knowledge of the Derwent Estuary program and its activities.*

- **Close to 1 in 4 respondents had heard of the Derwent Estuary Program after prompting, continuing an upward trend from previous survey rounds.**
- The majority of respondents who were aware of the Derwent Estuary Program had a reasonable idea of the role and responsibilities of the Program, as per verbatim responses in the Report, with **informed awareness well up on previous rounds.**
- Awareness of the range of Program activities is summarised in the table below.

<b>DEP activities</b>	
	<b>% of total</b>
Beach Watch	14.1
State of the Derwent reporting	16.3
Monitoring programs	17.6
Seafood Safety reporting	12.9
Walking track promotion	9.9

*The aims and objectives of the Program were explained to all respondents, who were then asked how they thought the local community could become more involved.*

- As per the previous survey round, **clean-up days** and **community education** were seen as important enablers to community involvement, with significant support for a heightened **awareness of littering** in this survey round.

*The final series of questions covered a range of DEP advice to the general public ...*

- The table summarises survey outcomes, noting a continued high awareness level for **Water Quality advice** (particularly for Kingborough and Hobart residents) and the much lower awareness levels for Seafood Safety and Walking Track advice, both for this survey round and compared to the previous survey round, likely due to changes in Program focus and priorities.

<b>DEP advice</b>	<b>2019</b>	<b>2013</b>
	<b>% of total</b>	<b>% of total</b>
Water Quality	60.9	68.7
Seafood Safety	32.9	59.3
Walking Tracks	28.0	76.7

- The Report highlights where people obtain the relevant information for each of the DEP advisories across the range of information channels.

- Given the central importance of the Derwent Estuary to Hobart residents, there was (not unexpectedly) a **high level of engagement** with the survey topic, with most (85% of total) respondents indicating their availability for further contact.

Brian and Ros Correy  
Directors  
Myriad Research

22 August 2019

## 1. Research Aim

A survey of Greater Hobart residents to assess the relevance of the Derwent Estuary in relation to the following key aspects -

- local environmental issues;
- engagement with the Derwent Estuary for recreational activities;
- importance of the Derwent Estuary;
- perceptions of the health of the Estuary;
- environmental threats to the Estuary;
- responsibility for Derwent Estuary protection;
- awareness of the Derwent Estuary Program;
- awareness and relevant information sources for DEP activities.

The survey is a follow-up to research conducted with key stakeholders and the general public by Myriad Research in 2007 and the community survey conducted in 2013.

## 2. Methodology

The community survey was conducted via online survey and telephone interview with residents of Greater Hobart, within the Clarence, Hobart, Glenorchy, Kingborough, Brighton and Derwent Valley local government areas.

Sample distribution is summarised in the following table.

LGA	Respondent number	% total sample
Clarence	89	22.0
Hobart	79	19.6
Kingborough	74	18.3
Glenorchy	91	22.5
Brighton	49	12.1
Derwent Valley	22	5.4
<b>Total</b>	<b>404</b>	<b>100.0</b>

The survey questionnaire was designed in conjunction with our client, and referenced the 2013 and 2007 survey instrument – refer *Appendix A*.

The survey was conducted in June 2019 via the online platform and telephone interviews conducted by the Myriad Research field team. All fieldwork was completed in accordance with industry quality assurance standards for telephone and online survey research (*ISO 20252*) and the relevant privacy protocols (*Market and Social Research Privacy Code*).

Age and gender quota targets were set for each LGA to ensure the survey sample broadly reflected the community profile for each area.

Households for the telephone survey were randomly selected from partner supplied listings (landlines and mobiles), with additional access to the consultant's research panel. Qualified respondents were aged 18 years and over, randomly selected from target households (youngest person in household randomiser).

The online survey was open to the Myriad research panel, with programming and hosting by Decibel Research. A prize draw incentive was included to encourage survey participation for the online survey.

All fieldwork was co-ordinated by the consultants, with survey verifications in accordance with the relevant ISO guidelines. Data entry and analysis of survey returns has been completed with the following research findings.

### 3. Research Findings

Responses have been grouped with the relevant question – refer to survey questionnaire *Appendix A*.

Quantitative outcomes are expressed as frequency counts and percentage of the total sample or relevant sub group, with comparisons for the 2007 and 2013 survey rounds.

Qualitative outcomes are included as verbatim comments and are grouped by LGA and rating, or by key themes.

*The survey sample provides statistically significant results for the total group, with a sampling error range of 2.2% to 5% at the 95% confidence level, ie. survey results are likely to be within 5% plus or minus of the total population parameter were a census to be conducted.*

*Survey results for individual segments are indicative due to the smaller sample quantum.*

#### 1. Firstly, what do you feel are the main local environmental issues at the moment?

*Note: Issues relating directly to the Derwent Estuary are highlighted in **bold** type.*

##### Clarence

Issue 1	Issue 2	Issue 3
Air pollution	<b>Water</b>	Deforestation
Bad roads	Water shortage	Erosion
Bins aren't big enough	Too much traffic congestion at the Rosny roundabout in the mornings	
Clarence Council has no waterfront parking. Sold or developed, no parking for ferry services	Council doesn't appreciate Rosny Park Golf Course. They may develop it I believe	Don't feel safe at night walking near Bellerive Oval-international area. Different cultures etc.
Climate	<b>River condition</b>	Too much development
Climate change	Public transport options	Dementia/ageing/disability friendly built environment
Climate change	Lack of transport	Waste management
Climate change and the impact on sea level	Sand quarries in South Arm contributing to the impact of rising sea levels	Drought implications
Climate change, effects locally	<b>Derwent pollution</b>	
<b>Coast care</b>	Parks maintenance	Rubbish management
Defibrillators in public spaces	Nature strips on highways not mowed	Dogs barking
<b>Derwent River health (eg sewage, heavy metals)</b>	Management of rubbish , eg recycling	<b>Health of small waterways and wetlands</b>
Global warming	<b>Beach erosion</b>	
Health	Refuse disposal	Dog control
Hobby farmers not managing weeds, impacting surroundings	Water shortage in farming areas. Cost of water	
Housing affordability	Healthcare (hospital access)	
Inadequate lighting for footpaths in Cambridge	Play equipment for children	Footpath along industrial estate in Cambridge

Lack of public transport options	Roadkill	Wood smoke
<b>Lauderdale Beach erosion</b>	<b>Wetlands in Lauderdale</b>	
Litter		
Litter	Water wastage	<b>Water pollution</b>
Litter is a big one in parks and bushland.		
<b>Litter washed up all along the shores of the Derwent</b>	I'd like to know what happens to our recycling collected from the kerb	More opportunities for recycling (eg. soft plastics)
Litter/rubbish	<b>Rubbish in the ocean</b>	
Littering	<b>Water pollution</b>	
Littering		
Littering generally		
More recycling	Traffic at peak hour	Extra green waste
Native animals becoming extinct eg. Tassie Devils cancer issue	Multiple dwellings going up on land areas, taking up land mass	<b>Salmon farming in Tasmania</b>
Need lights on corner of Carella Street Park, Oceana Drive - too dark and hard to see side road	Dog waste bins - more required on walking tracks	Maintenance of bike/walking tracks
No supermarket in Cambridge area (that means using more fuel)	Too much road kill	Ratio of house to block too great (fire risks in bush area)
Not enough arts type activities for children	Limited music opportunities at South Arm	Narrow roads with pot holes in our area
Over development		
Overgrown trees		
Parks	Rubbish	Roads
Parks	Rubbish	
Pavement condition and trees overhanging	Lack of lighting and good water option for dog parks	Better recycling and green waste collection
Places to live eg. cost of renting	Things to do eg entertainment	Public transport
Plastic		
Plastic pollution	Household pollution	Traffic: air pollution
Pollution	Littering	Climate change
Pollution	Recycling of plastics- need to bring back monetary incentives for recycling	
<b>Pollution from Nyrtar</b>	Drinking water quality	Wildlife coming into suburbs looking for food
Recycling: lack of knowledge of how to recycle properly		
Renewable energy (wind turbines and solar) to meet our electricity needs. Need more focus on reducing our carbon footprint	Waste management issues	
<b>River condition</b>	<b>Sewerage</b>	
Roads	Things to do for 12+ year olds	
Roads and foot paths	Maintenance and upgrades of public spaces	<b>Pollution from storm water drainage and waste water</b>
Roadside rubbish	<b>Plastic in the waterways</b>	Weeds
Roadside rubbish	<b>Waterways</b>	Speeding and burnouts
Rosny Hill development: gone very quiet on it	Spraying weeds around the area: what is being used for that?	
Rubbish	Footpaths	Roads

Rubbish	<b>Derwent River water quality</b>	Urbanization
<b>Rubbish in waterways: residential, straws, plastics</b>		
Safe community areas	Accessibility	<b>Water quality</b>
Safety	Global warming	Improving lifestyle facilities
Safety - walking at night	Traffic going to work and coming home	Cold weather
Traffic	Roads	Cost
Traffic	Footpaths	
Traffic congestion	Road safety	
Traffic congestion	<b>Litter on local beaches</b>	
Traffic congestion	Rubbish on the streets	
Traffic congestion	Cycle lanes	Parking in Lindisfarne
Traffic pollution		
Traffic pollution: noise and physical pollutions		
Transport	Free space	
Transport - particle pollution, noise	Poor waste management	
Transport: Eastern shore access to city	<b>Leaking of fire retardant into Cambridge creek</b>	Re-use water
Transportation		
Urban sprawl: land clearing for example	<b>Pollutants into river from Zinc Works</b>	
Use of plastic	South Arm Road - school kids	Fire swept through, only one exit road out
Waste	Condition of roads	Cleanliness
Waste		
Waste management	Retention of green spaces	<b>Maintaining water quality</b>
<b>Water and sewerage supply and treatment</b>	Adequate public 'open space'	Roadside litter and road kill
<b>Water quality in Derwent Estuary</b>	<b>Quality of beaches</b>	
<b>Water quality in homes and nature (rivers, streams etc)</b>	Urban encroachment on nature	
<b>Water runoff from Natone Hill</b>	Lack of eliminating dead trees from Natone Hill	Cost of tip fees for excess garbage
<b>Waterways: junk, pollution, rubbish generally</b>	More burn offs for bushfires	
<b>Waterways: pollution in Derwent on beaches</b>		

## Hobart

Issue 1	Issue 2	Issue 3
Adani coal mine	Helicopter flights into alpine-intrusion into natural landscape	Car exhaust emissions with increased traffic
Air quality	Climate change	<b>Clean water</b>
Big trees over fence: neighbours.	Cable car: against it, probably should be put at the back of the mountain, or side.	Chimney smoke: smog, pollution from wood smoke
Bush reserve in Sandy Bay needs burning to maintain it for fire safety		
Bushfire threat	Plastic pollution	Water levels
Bushfire threat to homes which is predicted to increase due to climate change.	Loss of natural aesthetics affecting Tasmania's reputation for its environment which draws	Loss of native vegetation (drier climate and impacts of weeds and land clearing for expanding

	tourists fitting that appreciation (lack of coherent planning for the future and instead too many allowances for inappropriate large scale developments in coastal areas, old technology cable car on Mt Wellington)	housing that does not meet the housing needs of locals).
Cable car	Building heights in CBD	Lack of dedicated bike infrastructure
Cable car	Government policy or lack of environmental conservation	
Cable car development- not appropriate		
Cable car endangering wildlife	Traffic congestion	
Cars and emissions		
<b>Clean water</b>	Clean air	Clean streets
Climate change	Housing- homeless	Overpopulation
Climate change	Education	Health
Climate change	Waste accumulation and practices	
Climate change	<b>Water pollution</b>	Homelessness
Climate change	Cable car	Building heights too high
Climate change, affecting Tasmania	Plastic- use of, recycling of it	Concerns of disposing of waste methods
Climate change.	Rubbish disposal: more focus on recycling needed	Destruction of fauna and flora: lack of protection.
Climate change: not enough rain	Extinction of local Australian animals	
<b>Contamination from the Zinc Works</b>	Climate change	
<b>Cornelian Bay water</b>		
Cutting down of trees		
<b>Derwent River: zinc pollution</b>	<b>Cruise ships: eco systems in river</b>	Cable car: eco systems up there
Development controls	Traffic management	Waste collection services
Development of parkland for community	<b>Preservation of Cornelian Bay area</b>	Preservation and regeneration of trees
Diesel buses going up mountain, and cars	<b>Increasing diesel fumes from cruise ships</b>	
Energy consumption	Health services	Community infrastructure
Forestry in area	<b>Water quality: rivers, oceans, drinking</b>	
Fragmentation of landscape- wildlife suffer	Invasive species escaping into the bush	
Global warming	Habitat loss	Wildlife displacement in City
Government ignoring climate change	Cable car- public land and shouldn't be putting big pylons in the land. Rude to Aboriginals in front of organ pipes	No building, Rosny Hill in Kangaroo Bay
Green spaces, including parks	Minimum use/ban on plastic	Solar panels
Height of buildings in Hobart	Too much development close to City	
High reliance on unrenewable energy sources	Lack of adequate public transport	Overconsumption of foods packaged in plastic
Household waste		
Housing	Cable car	Traffic
Impact from tourism: commercial business to	<b>Derwent River</b>	



National Parks		
Infrastructure- cable car	<b>Derwent River- heavy metals</b>	Fish farms at Triabunna will mess up eco system
Lack of footpath on busy Nelson Road	<b>Lack of completion of Bicentennial bush tracks</b>	
Litter	Not being able to have food scraps in wheelie bin	
Mt Wellington cable car	Reducing plastic waste	<b>Water quality</b>
Native habitat reduction	<b>Derwent Estuary</b>	Recycling
Omissions: cars and factories	Disposal of single-use packaging	Education on recycling
Parking and traffic	Trees	Bikes
Planning issues in built environment	Road kill	Recycling
Plastic bags	Cigarette butts	Cable car destroying the integrity of the mountain
Plastic usage	Traffic congestion/ transport and its impact on the environment	Insufficient green space
Pollution	<b>State of the drinking water</b>	<b>Sewerage</b>
Pollution		
Pollution		
Pollution in general	Traffic	Housing
<b>Pollution: plastics in the oceans</b>	Recycling: not sure what happens to it, whether or not it's really recycled or goes into general waste	
Poor planning of development	Limitations in public transport	Traffic
Recycling: not enough or not at all	Climate change	
Rising sea levels	Air pollution	<b>Water pollution</b>
<b>River pollution</b>	Zinc works- air pollution	Cable car- absolute definite for our city. No environmental threat at all
Road congestion	Cleanliness	
<b>Sea pollution</b>	Deforestation	
<b>Sewage treatment plant in Hobart</b>	<b>Poor water quality from bridge up river</b>	
Street trees	Properly managed urban fruit trees and litter (fruit fly)	Bio-diversity in native parks (and reduction of invasive species)
Too many B&Bs	Inconsistent HCC decisions	Parking/speeding cars
Traffic	Housing affordability	Crime
Traffic	Lead pollution	
Traffic	Wallabies	
Traffic	Pollution	Parking
Traffic	Noise	Roadside trash
Traffic congestion		
Traffic congestion	Parking	
Traffic congestion	Transport	Rising power costs and rates
Traffic congestion and pollutants from vehicles	Cable car impact on birdlife and also habitat loss	Land development not leaving enough green space- urban sprawl
Traffic management	Parking meter issues	Public transport
Waste and recycling- dealing with recycling (amounts of waste)		

Waste: not recycling, too costly to do	<b>Fish farms: I'm dubious about supporting the fishing industry</b>	Cattle: can't sustain growing meat, animal waste, pollution through farming: can't support it
<b>Water pollution at our local beach: Sandy Bay</b>	Climate change	The amount of litter being dumped
<b>Water quality</b>	Managed better infrastructure to support impact of tourism and recreation on our national parks and world heritage areas	
Wood smoke, bad, carcinogenic, asthma		

## Kingborough

Issue 1	Issue 2	Issue 3
<b>Access to safe, healthy, clean beaches: Kingborough</b>	Hardening, concrete, in-fill areas, more regulation, Kingborough, too much expansion, loss of agriculture	Lack of recreational parks: Kingston, Blackmans Bay area.
Animals and birds losing their habitats due to trees being cut down	<b>Blackmans Bay issue at the beach</b>	<b>Salmon farms- Storm Bay, Bruny Island- not sure why water is green now apparently</b>
Barking dogs	Pets roaming the streets	Roadside parking making it dangerous for driving
<b>Beach pollution</b>		
<b>Beach water quality</b>	Single use plastics	
<b>Blackmans Bay beach pollution, beach is closed for swimming</b>	<b>Browns River, Kingston pollution</b>	
<b>Blackmans Bay sewerage issues, part of beach is closed for swimming</b>	Wildlife: road kills	
<b>Blackmans Bay, closure at end of beach, not suitable for swimming any more: terrible</b>	<b>Seagulls on Blackmans Bay beach in their hordes: lots of seagull excretion</b>	
Cable car - ecology, too much secrecy	<b>Pollution in water: Blackmans Bay</b>	
Cable car: damage to environment through construction and visual pollution	<b>Salmon farms</b>	
<b>Clean beach water to swim in</b>		
Climate	Dru Point	<b>Beach</b>
Climate change	Congestion on roads	Disposal of rubbish
Climate change	Logging of forests	Container deposit scheme delay - lack of effective waste management
Climate change	Air pollution	<b>River pollution</b>
Climate change	<b>Rubbish: plastic in the ocean</b>	<b>Run off pollution</b>
Climate change	<b>Sewerage and waste disposal, rubbish on beaches: Kingston Beach</b>	<b>Beach closures: unsafe water levels</b>
Climate change: not enough action being taken		
Climate change: storms bigger, droughts, floods (locally)	Loss of habitat: expanding city	
<b>Cruise boat pollution: antifouling paint for example</b>		
Disposing of waste	Water being wasted	Air pollution

Disruptive youths in public places	Aggressive unrestrained dogs in dog areas eg. dog park near sports centre	Traffic congestion
<b>Fish farms were but now starting to act to clean up</b>	<b>Beach rubbish from stormwater</b>	
Infrastructure: roads, public transport	<b>Storm water</b>	Pollution control of cars and vehicles that are un-roadworthy
<b>Kingston Beach water quality etc safe for swimming</b>		
Lack of green spaces	<b>Rubbish along the road likely to wash into waterways</b>	Lack of care for Peter Murrell Reserve
Plastic overuse	Waste disposal	
Plastic, recycling	Creek doesn't run anymore. Nierinna- Margate	
Pollution	<b>Sewerage</b>	
Pollution	<b>Fish farming</b>	Plastics
<b>Pollution in Blackmans Bay beach areas</b>	<b>Cruise ships using fuel that is dangerous- fumes are dangerous. They don't swap for cleaner fuel</b>	Forestry- conservation
<b>Pollution in Derwent: more waste, plastics etc (not recycling)</b>		
<b>Pollution in the Kingston area</b>		
<b>Pollution of plastic in waterways and beaches</b>	Waste and reducing plastic in all things we buy	<b>Pollution from salmon pens down south</b>
<b>Pollution on Blackmans Bay beach (E coli)</b>		
<b>Pollution, waterways</b>	Plastics	
Population growth		
Preservation of green areas	Increase of traffic/environmental impacts	Over development/ environmental impacts
Recycling		
Recycling	<b>Clean water</b>	Fires
Recycling	<b>Water quality- Kingston/Blackmans Bay</b>	Need green waste bin- Kingborough
Recycling problems- need better waste management	Road congestion- too much private vehicle usage	
Roads and infrastructure	<b>Pollution of Blackmans Bay beach</b>	
Rubbish: improper sorting of rubbish and recycling, e.g. compostable cutlery at Salamanca market going into landfill		
<b>Sea rises- erosion of beach</b>	Heat conditions	
<b>Sewage in Derwent, poor treatment</b>	<b>Cruise ships sewage</b>	
<b>Sewerage</b>	Cable car: totally against it, will destroy environment	
<b>Sewerage at Blackmans Bay Beach</b>	Smoke pollution (from wood fires)	Cost of attending the local tip
<b>Sewerage in the Kingston area</b>		
Subdivision development, loss of bushlands	Bike track accessibility	<b>Swimming at Blackmans Bay beach</b>
<b>The beach</b>	Green waste	Graffiti
The ever increasing traffic,	<b>Beaches in the Kingston area</b>	Climate changes could cause

there seems to be a need for better infrastructure if we want more population	<b>have been closed to swimming due to sewerage contamination</b>	dangerous bush fires and server flooding like we had last summer
Too much traffic- air pollution		
Traffic congestion at peak times		
Traffic pollution- too much	<b>Blackmans Bay beach-pollution</b>	
Traffic pollution: fumes and noise		
Traffic pollution: use more public transport, fix it	Poor waste management services: bottle/can, green waste poor. Need incentives	
Traffic problems	Trash and recycling	Graffiti
Transport	Road kill	Cat registration
Waste	Transport	<b>Water quality</b>
<b>Waste: pollution, rubbish management</b>		
<b>Water- Blackmans Bay beach closed for ages</b>		
<b>Water pollution</b>		
<b>Water pollution in Kingston Beach</b>		
<b>Water pollution in our bays.</b>	Removal of trees without replacement.	
<b>Water quality (sea water)</b>	<b>Quality and upkeep of local tracks</b>	Rubbish on the roadside and local areas
<b>Water quality in Derwent</b>	Water management in Tasmania	
<b>Water quality- Kingston beach</b>	Dog management	Cat restriction
<b>Water quality of the beaches</b>		
<b>Water quality: safe for swimming at Blackmans Bay</b>	<b>The water quality for the salmon farm</b>	<b>Treatment plant: Blackmans Bay and Tinderbox increasing the bacteria levels in the water</b>

## Glenorchy

Issue 1	Issue 2	Issue 3
Air quality	Waste	<b>Water pollution</b>
Cable car: humans affecting flora and fauna	<b>Derwent River water quality</b>	Local responses to climate change
Claremont primary school- an eyesore	<b>Water pollution</b>	
<b>Clean water ways</b>	Local waste sites	Littering
Climate change	Renewable energy	Waste disposal
Climate change	<b>Derwent River- condition of it</b>	Litter- people throwing rubbish everywhere
Climate change	Plastic waste	
Climate change		
Climate change	Waste management	Low waste events
Climate change in general	<b>Pollution- Derwent River</b>	
Compost bins	Parks	Dog areas
Danger to wildlife and native habitats	Waste/rubbish excess	Global warming
<b>Derwent River- Zinc Works</b>		
Dumping of rubbish- tip prices become too expensive		

Extra garbage bins. Elderly have problems with bins now to get them out	Rate increases in Glenorchy	Homeless. No places available for low income people.
Far too much litter	Lack of clean-up in parks	<b>Sludge in the river at the park edge in Goodwood</b>
Fumes from road vehicles	Putting in new roads, endangering wildlife	
Garbage being collected every 2 weeks	Crime	<b>Our beaches around Windermere are polluted</b>
Garbage collection	Street cleaning	Shopping centre smoking areas
Generally dirty	Rubbish management in Glenorchy	
Global warming	Population growth	Land fill
Green waste	Size of council bins for households	FOGO
Greenhouse gas	Plastic waste	Noise pollution
Impact of climate change on climatic events and weather locally	<b>Litter and waste generation and management, and why so much litter in waterways</b>	Concerns where the collected recycling is going
Increased urbanisation of area	Wandering cats and dogs	
Lack of quality family play areas	Anti-social/rough youths	
Litter	<b>Stormwater</b>	Wood smoke
Litter	<b>Water pollution - Derwent River</b>	
Litter		
Litter on the streets and public areas	Dog poo on the streets and public areas	Climate change
Litter, especially plastic waste	<b>Health of the Derwent River</b>	Life of the GCC Tip
Littering	Zinc works- air pollution	Pollution
Management of waste	Use of plastic	Having a green waste collection service
Noise	Pollution	Climate change
Noisy motorcycles	Hooning in public parks and reserves	
Overpopulation	Recycling	Pollution
Plastic wrapping	Take away coffee cups	Litter
Pollution		
Pollution	Global warming	Waste
Pollution	<b>Raw sewerage</b>	Plastic bags
Pollution		
<b>Pollution: plastics, oceans, everywhere in Tassie</b>	Big fishing boats: destroying Tassie fisheries	
Pollution: wood fire smoke	Rubbish on roadside	
Rates	School	Rubbish collection
Recreation areas for children	<b>Flooding from creeks</b>	Traffic
Recycling		
Recycling	Cost of living/rates	Energy
Recycling	Dumping of rubbish	
Recycling	<b>Water quality</b>	Green waste
<b>River pollution- Derwent Estuary</b>	<b>Beach pollution- Seven Mile, Kingston, Sorell</b>	Climate change- degrees of weather, extremities
Road kill	Dangerous drivers	Hoons
Roads need upgrading	More police presence	More community events
Rubbish	Rabbits	
Rubbish	Zinc works- air pollution	<b>Sewerage</b>
Rubbish	Pollution	Lack of recycling

Rubbish around neighbour hood	State of footpaths and roads	Pollution
<b>Rubbish in the ocean- mean to animals</b>		
Rubbish left from garbage collections	Fire hazard in our local reserve	Overgrown bushes on pathways
Rubbish on sides of roads and highways because tips are expensive and Glenorchy bins too small		
Safe paths and bikeways	Increased bin collection	
<b>Sewerage issues</b>	Local soil contamination	Pollution
<b>Sewerage-Taroona, Blackmans Bay, Boyer</b>		
Smoking chimneys, too many for too long.	People walking dogs in 'no dogs' areas or off leash in 'dogs-on-leash' areas in Council parks and reserves. Poimena Reserve a particular problem.	Litter on roadsides after wheelie bin uploads. Road sweeper schedules need changing to just after wheelie bin days.
The continual water supply to households. Either not suitable or the pipes are failing		
The cost to dispose of rubbish	Forced green waste bins	No foreseeable steps being made to look at alternative power sources
<b>The quality of our waterways</b>	Lack of rubbish collection ie green waste	No resources/money spent
Traffic	Construction	
Traffic congestion	Health issues particularly hospitals and aged care	
Traffic management	Environment	Useable clean open spaces
Trail bikes	Traffic congestion	Lack of suitable public transport
Waste	Unemployment	Education
Waste	Single use plastics	
Waste disposal	<b>Sewerage</b>	Green waste and recycling
Waste disposal	Illegal dumping of rubbish	<b>Waterways</b>
Waste management	Lack of trees and growth through the midlands	<b>Water pollution- cruise ships coming into the Derwent</b>
Waste, people too wasteful	Too much road kill	
<b>Water</b>	Waste	
<b>Water</b>	Rubbish	
<b>Water</b>	Recycling	<b>Derwent River rubbish</b>
Water availability. Lack of rainfall for those living on tank water		
We need a green waste bin provided	More rubbish bins in the main street	Footpaths need up grading
Wheelchair access ability	Crime	Safe play areas
Where the spending goes	Local infrastructure	Costs of council penalties and charges
Woodheater smoke	<b>Storm water/flooding</b>	Litter

**Brighton**

<b>Issue 1</b>	<b>Issue 2</b>	<b>Issue 3</b>
Air pollution	Infrastructure	<b>Water pollution</b>
Baskerville Road	Road erosion at Gunners Quoin Road	Recycling, planting more trees
Bush fires	Dark streets	Litter
Car emissions	Plastic: overuse in supermarkets and in society	
Climate change	Rubbish/recycling disposal	Green waste disposal
Climate change	Waste disposal: Old Beach recycling rubbish collection fortnightly only: very hard	
Climate change	Waste management - recycling	Pollution
Drought	Cost of living	Home buying
Education	Health	Transportation
Electricity prices	Day to day living expenses	Illegal motorbikes
Fire hazard reduction	Native animal road death	Air pollution
Flash flooding	Bushfire	Drought
Garbage and debris everywhere especially around Bridgewater area	<b>Foul smelling water in the river</b>	
Global warming		
Impact on wildlife because of wind farms	Congestion- traffic	
Lack of council maintenance	Nothing for the kids to do	Streets not kept clean
Litter	Roadkill	<b>River health</b>
Littering, rubbish on streets including syringes in Gagebrook	Car bodies dumped	
Not enough trees shrubs etc for the native wildlife	More wind breaks needed	
Nothing for kids to do	Horse trail roads closed by the government	Drugs a big issue
Plastics not being dealt with properly, sent to landfill, sent overseas	<b>Rubbish: people throwing rubbish in the bush and waterways</b>	Cable car: visually unappealing, takes away from the natural appeal of the mountain
Pollution	Waste management	
Pollution	Recycling	Landfill
<b>Pollution of the River Derwent</b>	<b>Buildings and infrastructure as pollution sources to river, and run off contamination</b>	
Public transport especially for aged		
Recycling: do we or don't we actually recycle?		
Residents leaving pieces out for ages waiting for twice a year extra larger items collection. eg Albion Rd units	Rubbish being dumped in many areas illegally which is not cleaned up other than by volunteer locals	
Road congestion	Rubbish tossed out of cars on roadsides	
Rubbish		
Rubbish	Fire burning off	Cars driving silly
Rubbish and its effect on the environment	Damage to the environment from unauthorised works	The ability for development of housing into the future from population growth while protecting nature.

Rubbish dumping	Subdivisions	Golf course draining local water resources
Rubbish laying around	Activity for kids	Roads
Rubbish- plastic pollution		
Rubbish/pollution	Recycling	Solar energy
Rubbish/littering	Smoking	
<b>The health of the Derwent River</b>	Climate change	
Too many restrictions for kids to enjoy themselves		
Use of single use plastics	<b>River contaminated with human waste in general, including plastics</b>	
Vandalism	Litter	
Waste disposal: people not sorting their waste property		
Waste we create		
<b>Waste, bushy debris on foreshore, needles etc. Fire hazard as well</b>		

### Derwent Valley

Issue 1	Issue 2	Issue 3
Amount of packaging at supermarkets, people throw it on ground more: road side		
Cable car on Mt Wellington: fully supportive		
Climate change	New 5G radiation from towers	
Climate change		
Deforestation of old growth forests	Smoke from wood fires	Neighbours burn plastics
Fires	Flooding	<b>Litter in river</b>
Flood proofing	Forestry management	1080 poisoning
<b>Fresh water- water is life</b>		
Housing shortage.		
Litter	Roads	Facilities
<b>Making sure our river stays clean</b>		
Pollution	Dumping of rubbish	
Reckless/dangerous driving	Excessive road kill	
Rubbish build up	Cold in winters	
Rubbish, plastic bags: not enough recycling that is effective or legitimate	Global warming	
Safety	All age friendly	
Utility costs	Lack of tourism/lifestyle infrastructure	Local government amalgamation
Waste to landfill: too much waste generated		
<b>Waterways</b>	Poisons - 1080	<b>Flood</b>



**Summary table – responses**

<b>Council area</b>	<b>Environmental issues - Derwent Estuary</b>	<b>Environmental issues - total</b>	<b>% DE environmental issues to total</b>	<b>Number of environmental issues per respondent</b>
Clarence	25	131	19.1	1.5
Hobart	25	150	16.7	1.9
Kingborough	51	132	38.6	1.8
Glenorchy	28	164	17.1	1.8
Brighton	9	71	12.7	1.4
Derwent Valley	4	27	14.8	1.2
<b>Total</b>	<b>142</b>	<b>675</b>	<b>21.0</b>	<b>1.7</b>

**2013 results**

<b>Council area</b>	<b>Environmental issues - Derwent Estuary</b>	<b>Environmental issues - total</b>	<b>% DE environmental issues to total</b>	<b>Number of environmental issues per respondent</b>
Clarence	9	55	16.4	0.9
Hobart	14	83	16.9	1.3
Kingborough	24	60	40.0	1.0
Glenorchy	13	68	19.1	1.2
Brighton	14	36	38.9	0.9
Derwent Valley	3	22	13.6	1.0
<b>Total</b>	<b>77</b>	<b>324</b>	<b>23.8</b>	<b>1.1</b>

**2007 results**

<b>Council area</b>	<b>Environmental issues - Derwent Estuary</b>	<b>Environmental issues - total</b>	<b>% DE environmental issues to total</b>	<b>Number of environmental issues per respondent</b>
Clarence	25	95	26.3	2.4
Hobart	3	57	5.3	1.4
Kingborough	21	89	23.6	2.2
Glenorchy	9	67	13.4	1.6
Brighton/ Derwent Valley	14	76	18.4	1.9
<b>Total</b>	<b>72</b>	<b>384</b>	<b>18.8</b>	<b>1.9</b>

**Now thinking about the Derwent Estuary – that part of the river between New Norfolk and South Arm / Tinderbox, including the foreshore areas.**

**2a. Have you, or others in your household, undertaken any of the following activities in the Derwent Estuary within the last 12 months?**

<b>Table 2ai</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
swimming	37	35	33	15	4	4	128
boating/ sailing/ rowing	29	20	14	16	12	3	94
fishing	25	18	11	19	13	5	91
walking	69	64	57	60	24	13	287
other recreation	9	15	13	10	4	6	57
other activity	3	10	6	8	4	2	33
<b>Total</b>	<b>172*</b>	<b>162*</b>	<b>134*</b>	<b>128*</b>	<b>61*</b>	<b>33*</b>	<b>690*</b>
no activity	12	10	11	19	17	6	75

\* multiple response

<b>Table 2aii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
swimming	41.6	43.8	44.6	16.7	8.2	18.2	31.7
boating/ sailing/ rowing	32.6	25.0	18.9	17.8	24.5	13.6	23.3
fishing	28.1	22.5	14.9	21.1	26.5	22.7	22.5
walking	77.5	80.0	77.0	66.7	49.0	59.1	71.0
other recreation	10.1	18.8	17.6	11.1	8.2	27.3	14.1
other activity	3.4	12.5	8.1	8.9	8.2	9.1	8.2
<b>use for some activity</b>	<b>86.5</b>	<b>87.5</b>	<b>85.1</b>	<b>78.9</b>	<b>65.3</b>	<b>72.7</b>	<b>81.4</b>
no activity	13.5	12.5	14.9	21.1	34.7	27.3	18.6

<b>Table 2a<sub>iii</sub></b>	<b>(%)</b>	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
swimming	31.7	45.3	46.7	16.1	10.5	18.2	31.0
boating/ sailing/ rowing	41.7	34.4	33.3	23.2	23.7	27.3	31.7
fishing	33.3	29.7	33.3	19.6	23.7	40.9	29.3
walking	78.3	76.6	68.3	64.3	60.5	54.5	69.3
other recreation	26.7	25.0	21.7	12.5	13.2	13.6	20.0
other activity	13.3	15.6	13.3	7.1	0.0	9.1	10.7
<b>use for some activity</b>	<b>90.0</b>	<b>89.1</b>	<b>85.0</b>	<b>71.4</b>	<b>81.6</b>	<b>68.2</b>	<b>82.7</b>
no activity	10.0	10.9	15.0	28.6	18.4	31.8	17.3

<b>Table 2a<sub>iv</sub> (%)</b>	<b>2007</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
swimming	28.2	15.0	42.5	2.4	5.0	18.5
boating/sailing/ rowing	25.6	25.0	20.0	19.5	10.0	20.0
fishing	28.2	10.0	22.5	14.6	32.5	21.5
walking	69.2	32.5	72.5	31.7	32.5	47.5
other recreation	2.6	2.5	2.5	0.0	0.0	1.5
other activity	0.0	2.5	7.5	2.4	2.5	3.0
<b>use for some activity</b>	<b>82.1</b>	<b>52.5</b>	<b>95.0</b>	<b>43.9</b>	<b>67.5</b>	<b>68.0</b>
no activity	17.9	47.5	5.0	56.1	32.5	32.0

## Cross tabulation by age group

<b>Table 2av (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
swimming	41.0	32.7	21.0	31.6
boating/sailing/ rowing	22.1	26.9	20.2	23.4
fishing	25.4	23.1	19.4	22.6
walking	66.4	76.9	68.5	71.1
other recreation	13.9	13.5	15.3	14.2
other activity	7.4	10.3	6.5	8.2
<b>use for some activity</b>	<b>77.0</b>	<b>87.2</b>	<b>79.0</b>	<b>81.6</b>
no activity	23.0	12.8	21.0	18.4

<b>Table 2avi (%)</b>	<b>2013</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
swimming	43.3	34.2	15.2	31.1
boating/sailing/ rowing	37.8	35.9	20.7	31.8
fishing	37.8	30.8	19.6	29.4
walking	66.7	74.4	66.3	69.6
other recreation	24.4	23.9	9.8	19.7
other activity	12.2	10.3	7.6	10.0
<b>use for some activity</b>	<b>82.2</b>	<b>88.9</b>	<b>76.1</b>	<b>82.9</b>
no activity	17.8	11.1	23.9	17.1

<b>Table 2avii (%)</b>	<b>2007</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
swimming	25.0	18.9	11.3	18.5
boating/sailing/ rowing	28.8	20.0	11.3	20.0
fishing	28.8	22.1	13.2	21.5
walking	46.2	47.4	49.1	47.5
other recreation	3.8	1.1	0.0	1.5
other activity	1.9	4.2	1.9	3.0
<b>use for some activity</b>	<b>67.3</b>	<b>73.7</b>	<b>58.5</b>	<b>68.0</b>
no use	32.7	26.3	41.5	32.0

## Cross tabulation by household type

<b>Table 2aviii (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
swimming	43.5	23.9	31.7
boating/sailing/ rowing	27.3	20.6	23.3
fishing	26.1	20.2	22.5
walking	73.9	69.1	71.0
other recreation	15.5	13.2	14.1
other activity	10.6	6.6	8.2
<b>use for some activity</b>	<b>83.2</b>	<b>80.2</b>	<b>81.4</b>
no activity	16.8	19.8	18.6

<b>Table 2aix (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
swimming	49.5	20.4	31.0
boating/sailing/ rowing	39.4	27.2	31.7
fishing	36.7	25.1	29.3
walking	67.0	70.7	69.3
other recreation	27.5	15.2	19.7
other activity	14.7	7.3	10.0
<b>use for some activity</b>	<b>86.2</b>	<b>80.6</b>	<b>82.7</b>
no activity	13.8	19.4	17.3

<b>Table 2ax (%)</b>	<b>2007</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
swimming	28.4	13.5	18.5
boating/sailing/ rowing	23.9	18.0	20.0
fishing	23.9	20.3	21.5
walking	47.8	47.4	47.5
other recreation	0.0	2.3	1.5
other activity	4.5	2.3	3.0
<b>use for some activity</b>	<b>73.1</b>	<b>65.4</b>	<b>68.0</b>
no use	26.9	34.6	32.0

‘other recreation’

‘other activity’

**2b. (if swimming/fishing/walking) Whereabouts?****Swimming**

<b>Table 2bi</b>					
<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>
Bellerive (14)	Bellerive (3)	Bellerive (1)	Bellerive (4)	Bellerive (3)	Bellerive (1)
Blackmans Bay (1)	Blackmans Bay (1)	Blackmans Bay (14)	Conningham (1)	New Norfolk (1)	New Norfolk (3)
Clifton (3)	Dodges Ferry (1)	Bruny beach (1)	Hobart (1)		
Cremorne (1)	Howrah (1)	Howrah (1)	Howrah (1)		
Hobart (1)	Kingston (7)	Kingston (24)	Kingston (3)		
Howrah (16)	Long Beach (2)	Primrose Sands (1)	Lauderdale (1)		
Kingston (4)	Lower Sandy Bay (1)	Sandy Bay (5)	Long Beach (1)		
Mornington (1)	New Norfolk (2)	Taroona (8)	Lower Sandy Bay (1)		
New Norfolk (1)	Nutgrove (3)	Tinderbox (4)	New Norfolk (4)		
Opossum Bay (2)	Sandy Bay (24)		Opossum Bay (1)		
Sandy Bay (2)	South Arm (1)		Sandy Bay (2)		
Seven Mile Beach (6)	Taroona (6)		South Arm (1)		
South Arm (6)					
Taroona (3)					

**Fishing**

<b>Table 2bi</b>					
<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>
All around the peninsula (1)	Bellerive (2)	Barnes Bay (1)	Blackmans Bay (1)	All along river (1)	New Norfolk (3)
Bellerive (2)	Blackmans Bay (1)	Blackmans Bay (1)	Botanical Gardens area (1)	Between Old Beach and Opossum Bay (1)	
Cremorne (2)	Channel (1)	Bruny (2)	Bruny Island (2)	Bridgewater (3)	
Derwent River (5)	Cornelian Bay (2)	Jordan River (1)	Cremorne (1)	Hobart (1)	
Frederick Henry Bay (1)	Derwent estuary to South Arm (1)	Kingston (3)	Derwent (1)	Lauderdale (1)	
Howrah (2)	From Hobart down to Bruny Island (1)	Margate (3)	Eaglehawk Neck (1)	Old Beach (3)	
Kingston Beach (1)	Glenorchy (1)	South Arm (1)	Glenorchy/ Austins Ferry (1)	Old Beach to Tasman Bridge (1)	
Lauderdale (1)	Hobart (1)	Taroona (1)	Howrah Point (1)	South Arm (2)	
Lindisfarne to South Arm (1)	Kettering (1)		Montagu Bay (1)		
New Norfolk (1)	Lower Sandy Bay (1)		New Norfolk (1)		
Opossum Bay (1)	Margate (1)		Newtown bay (1)		
Rosny (1)	New Norfolk (2)		Old Beach (3)		
Saltwater River (1)	Nutgrove (1)		Sandy Bay (1)		
South Arm (6)	Pigeon Hole (1)		Sorell Creek (1)		
Tinderbox (1)	South Arm (2)		South Arm (2)		
Tranmere (1)	Storm Bay (1)		Taroona (1)		
Under Tasman Bridge (3)	Taroona (1)		Tasman Bridge (1)		
			Tinderbox (1)		

**Walking**

<b>Table 2biii</b>					
<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>
Alum Cliffs (1)	Austins Ferry (1)	Alum Cliffs (7)	Austins Ferry (4)	Bellerive (4)	Derwent Valley (1)
Bellerive (36)	Battery Point (1)	Apex Park (1)	Bellerive (4)	Bridgewater (5)	Granton (1)
Bonnet Hill (1)	Bedlam Walls (1)	Bedlam Walls (1)	Berriedale (1)	Brighton (1)	New Norfolk (10)
Botanical Gardens (1)	Bellerive (11)	Bellerive (2)	Blackmans Bay (1)	Cornelian Bay (1)	
Clarence (1)	Blackmans Bay (1)	Blackmans Bay (22)	CBD Wharf (1)	Dromedary walking track (1)	
Cremorne (3)	CBD (1)	Bonnet Hill (2)	Claremont (4)	Gagebrook (3)	
Eastern shore (5)	Cornelian Bay (12)	Browns River tracks (1)	Cornelian Bay (5)	Hobart (1)	
Foreshore and surrounding hills (1)	Derwent cycle track (1)	City (2)	Derwent Park (1)	Kingston Beach (1)	
Foreshore track Geilston Bay to Rosny (1)	Domain (1)	Cornelian Bay (1)	Dromedary (1)	Lindisfarne (1)	
Geilston Bay (5)	Foreshore (2)	East Risdon Nature Reserve (1)	GASP Glenorchy (6)	Montrose (1)	
Glenorchy (1)	Glenorchy (1)	Fern Tree (1)	Geilston Bay (1)	New Norfolk (6)	
Hobart (10)	Hobart (4)	Geilston Bay (1)	Glenorchy (4)	Old Beach (10)	
Howrah (26)	Howrah (6)	Hobart (1)	Goodwood (1)		
Kingston Beach (1)	Kingston (12)	Intercity cycleway: City to Claremont (1)	Goodwood to Claremont (1)		
Lauderdale (4)	Lenah Valley (1)	Kingston (32)	Howrah (1)		
Lindisfarne (17)	Lindisfarne (2)	Lindisfarne (2)	Kingston (3)		
Montagu Bay (2)	Lutana (1)	Mt Field National Park (1)	Lindisfarne (2)		
Opossum Bay (3)	Marievale Esplanade (1)	Peter Murrell Reserve (2)	Lutana (1)		
Rose Bay (2)	Moonah (1)	Primrose Sands (1)	Montrose Bay (20)		
Rosny (6)	Mountain tracks (1)	Rosny (1)	Moonah (1)		
Sandy Bay (1)	Mt Nelson (3)	Sandy Bay (4)	New Norfolk (4)		
Seven Mile Beach (4)	New Norfolk (6)	Snug beach (1)	New Town Bay (2)		
Shag Bay (1)	New Town (3)	South Arm (1)	Old Beach (2)		
South Arm (8)	Nutgrove (1)	South Hobart (1)	Opossum Bay (3)		



Taroona (1)	Old Beach (1)	Suncoast track (1)	Prince of Wales Bay (1)		
Tranmere (2)	Risdon Brook Dam (1)	Taroona (12)	Risdon (1)		
	Rosetta (1)	Tasman Bridge (1)	Risdon Cove (1)		
	Rosny (1)	Tinderbox (2)	Rosetta Foreshore (2)		
	Sandy Bay (30)	Tyndall Beach (1)	Sandy Bay (4)		
	South Arm (1)	Western shore (1)	Seven Mile Beach (1)		
	South Hobart (1)		South Arm (1)		
	Taroona (10)		Tinderbox (1)		
	Tinderbox (1)		Tranmere (2)		
	Tranmere (1)		Walking tracks on both sides of the Derwent (1)		
			Windermere (1)		

### Other recreation/activity

Activity	Where					
Beach volley ball	Bellerive beach	Kingston Beach				
Bike riding	Bellerive	Rosny				
Bike riding	Kingston					
Bike riding	Blackmans Bay					
Bike riding	Howrah					
Bike riding	Kingston	Bellerive	Lindisfarne			
Bike riding	Kingston					
Bike riding	Sandy Bay to Kingston	Bellerive to Tranmere				
Bike riding	Kingston					
Bike riding	Sandy Bay					
Bike riding	Sandy Bay	Kingston				
Bike riding	Old Beach	Bridgewater	Gagebrook			
Bike riding	Cornelian Bay to CBD					
Bird watching	Bellerive					
Bird watching, dog walks	Austins Ferry	Claremont	Collinsvale			
Birdwatching	Montrose Bay	Bridgewater bridge				
Bushwalking	Peter Murrell Reserve					
Camping	Kingston					
Coffee with friends. Art. Writing. Probus Club outings	Kingston Beach	Blackmans Bay	New Town Bay	Cornelian Bay		
Diving	Lauderdale					

Dog walking	New Norfolk, Hinsby Beach, Cornelian Bay					
Dog walking	Cornelian Bay	Kingston Beach	Howrah beach			
Dog walking	Berriedale	Claremont	Austins Ferry			
Dog walking	New Norfolk	Bellerive				
Dog walking	Battery Point					
Dog walking	John Turnbull Oval	Chapel Street, Glenorchy				
Dog walking	New Norfolk					
Dog walking	Montrose					
Dog walking, cycling, running	Sandy Bay	Hobart waterfront	Taroona	Glenorchy	Howrah	Rosny
Exercise equipment	Kingston Beach					
Ferry from Kettering to Bruny Island						
Ferry to Blundstone arena for football						
Having coffee	Cornelian Bay foreshore café					
Jet skiing						
Kayaking	Sandy Bay	Taroona				
Kayaking	Taroona					
Kayaking	Cornelian Bay					
Kayaking	Tinderbox					
Kayaking	Montrose, Goodwood area					
Kayaking	New Norfolk					
Kayaking	New Norfolk					
MONA ferry	Austins Ferry					
MONA ferry						
MONA ferry						
MONA ferry, Picnic	Kingston					
Mountain bike riding	Geilston Bay					
Occasional river cruise						
Park	Kingston					
Parks photography	Sandy Bay	Rosny Point	New Norfolk			
Photography	Snug					
Photography	Around Derwent					

Photography	Old Beach jetty	Bowen Bridge	Tasman Bridge	Lindisfarne Bay	Kingston	Bellerive
Photography	Bridgewater bridge	Old Beach	Jordan River			
Photography	Bellerive					
Photography	Montrose	Cornelian Bay				
Photography	Blackmans Bay					
Photography of ships	Zinc works, Lutana	Bedlam Walls	Tasman Bridge	Rosny Point		
Picnics	Nutgrove					
Picnics	Lindisfarne	Cornelian Bay	Long Beach	Kingston Beach		
Picnics, photos	Sandy Bay	Kingston	Bellerive			
Play parks	Sandy Bay	Bellerive				
Playground						
Running	New Norfolk					
Running, biking	Howrah Beach	South Arm	several other places			
Short drives around the Derwent						
Skiing, wakeboarding	New Norfolk					
Socialising with friends	Sandy Bay	Montrose Bay				
Sons pick up rubbish in their dinghy						
Take granddaughter to beach to play	Bellerive					
Volunteer	Peter Murrell Reserve					
Water-skiing	Bellerive Beach					

**2c. And about how often in the past 12 months?****Swimming**

<b>Table 2ci</b>							
<b>%</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Daily	1.1	0.0	1.4	0.0	0.0	0.0	0.5
Weekly	5.6	5.1	5.4	0.0	2.0	0.0	3.5
Monthly	6.7	5.1	10.8	2.2	2.0	9.1	5.7
A few times/year	24.7	29.1	21.6	13.2	4.1	4.5	18.8
Less often	3.4	5.1	6.8	1.1	0.0	4.5	3.5

**Boating**

<b>Table 2ci</b>							
<b>%</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Daily	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Weekly	3.4	2.5	1.4	1.1	2.0	4.5	2.2
Monthly	7.9	6.3	6.8	3.3	4.1	0.0	5.4
A few times/year	15.7	10.1	9.5	11.0	14.3	9.1	11.9
Less often	4.5	6.3	1.4	2.2	4.1	0.0	3.5

**Fishing**

<b>Table 2ci</b>							
<b>%</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Daily	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Weekly	0.0	0.0	1.4	0.0	2.0	0.0	0.5
Monthly	6.7	6.3	2.7	2.2	6.1	9.1	5.0
A few times/year	15.7	10.1	9.5	12.1	14.3	13.6	12.4
Less often	5.6	6.3	1.4	6.6	4.1	0.0	4.7

**Walking**

<b>Table 2ci</b>							
<b>%</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Daily	11.2	8.9	14.9	5.5	6.1	18.2	9.9
Weekly	37.1	27.8	29.7	24.2	16.3	18.2	27.5
Monthly	19.1	20.3	20.3	12.1	14.3	13.6	17.1
A few times/year	9.0	20.3	10.8	23.1	8.2	9.1	14.6
Less often	1.1	3.8	1.4	1.1	4.1	0.0	2.0

**Other recreation**

<b>Table 2ci</b>							
%	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Daily	0.0	3.8	0.0	2.2	0.0	13.6	2.0
Weekly	0.0	6.3	5.4	3.3	2.0	4.5	3.5
Monthly	4.5	3.8	8.1	0.0	4.1	0.0	3.7
A few times/year	3.4	5.1	4.1	2.2	0.0	9.1	3.5
Less often	2.2	0.0	0.0	3.3	2.0	0.0	1.5

**Other activity**

<b>Table 2ci</b>							
%	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Daily	0.0	3.8	0.0	2.2	0.0	13.6	0.5
Weekly	0.0	6.3	5.4	3.3	2.0	4.5	2.5
Monthly	4.5	3.8	8.1	0.0	4.1	0.0	2.0
A few times/year	3.4	5.1	4.1	2.2	0.0	9.1	2.2
Less often	2.2	0.0	0.0	3.3	2.0	0.0	0.7

**3a. Have you, or others in your household, collected seaweed from the Derwent Estuary in the past 12 months?**

<b>Table 3ai</b>	(frequency)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
<b>Yes</b>	2	2	0	1	0	0	5
<b>No</b>	87	77	74	90	49	22	399
<b>Total</b>	89	79	74	91	49	22	404

<b>Table 3aii</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
<b>Yes</b>	2.2	2.5	0.0	1.1	0.0	0.0	1.2
<b>No</b>	97.8	97.5	100.0	98.9	100.0	100.0	98.8
<b>Total</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0

**3b. What is the seaweed generally used for?**

<b>Table 3bi (frequency)</b>				
	<b>Clarence</b>	<b>Hobart</b>	<b>Glenorchy</b>	<b>Total</b>
<b>For gardening as a fertiliser/mulch</b>	1	0	1	2
<b>For consumption/eating</b>	0	0	0	0
<b>other</b>	1	2	0	3
<b>Total</b>	2	2	1	5

<b>Table 3bii (%)</b>	<b>(%)</b>			
	<b>Clarence</b>	<b>Hobart</b>	<b>Glenorchy</b>	<b>Total</b>
<b>For gardening as a fertiliser/mulch</b>	50.0	0.0	100.0	40.0
<b>For consumption/eating</b>	0.0	0.0	0.0	0.0
<b>other</b>	50.0	100.0	0.0	60.0

'other' responses

Craft, nature collection for daughter
Kids play with it while we are at the beach
Photos

**3c. Whereabouts in the Derwent Estuary is the seaweed collected from?**

Bellerive
Howrah
Kingston Beach
Long Beach
Opossum Bay
Sandy Bay
Seven Mile Beach
Taroona

**3d. And how often in the past 12 months?**

<b>Table 3di</b>	<b>(frequency)</b>			
	<b>Clarence</b>	<b>Hobart</b>	<b>Glenorchy</b>	<b>Total</b>
<b>Daily</b>	0	0	0	0
<b>Weekly</b>	0	0	0	0
<b>Monthly</b>	0	0	0	0
<b>A few times/year</b>	2	2	1	5
<b>Less often</b>	0	0	0	0
<b>Total</b>	2	2	1	5

<b>Table 3dii</b>	<b>(%)</b>			
	<b>Clarence</b>	<b>Hobart</b>	<b>Glenorchy</b>	<b>Total</b>
<b>Daily</b>	0.0	0.0	0.0	0.0
<b>Weekly</b>	0.0	0.0	0.0	0.0
<b>Monthly</b>	0.0	0.0	0.0	0.0
<b>A few times/year</b>	100.0	100.0	100.0	100.0
<b>Less often</b>	0.0	0.0	0.0	0.0
<b>Total</b>	100.0	100.0	100.0	100.

**4a. How important is the Estuary to you and your family?**

(5 = very important, 3 = of some importance, 1 = unimportant)

<b>Table 4ai</b>							
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>5</b>	51	52	43	48	19	16	229
<b>4</b>	17	21	18	20	16	4	96
<b>3</b>	13	5	10	15	12	2	57
<b>2</b>	4	0	2	2	1	0	9
<b>1</b>	4	1	0	6	1	0	12
	89	79	73	91	49	22	403
<b>Don't know</b>	0	0	1	0	0	0	1

<b>Table 4aii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>5</b>	57.3	65.8	58.9	52.7	38.8	72.7	56.8
<b>4</b>	19.1	26.6	24.7	22.0	32.7	18.2	23.8
<b>3</b>	14.6	6.3	13.7	16.5	24.5	9.1	14.1
<b>2</b>	4.5	0.0	2.7	2.2	2.0	0.0	2.2
<b>1</b>	4.5	1.3	0.0	6.6	2.0	0.0	3.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Average</b>	<b>4.2</b>	<b>4.6</b>	<b>4.4</b>	<b>4.1</b>	<b>4.0</b>	<b>4.6</b>	<b>4.3</b>
<b>% 4/5</b>	<b>76.4</b>	<b>92.4</b>	<b>83.6</b>	<b>74.7</b>	<b>71.4</b>	<b>90.9</b>	<b>80.6</b>
<b>% 1/2</b>	9.0	1.3	2.7	8.8	4.1	0.0	5.2

<b>Table 3a<sub>ii</sub> (%)</b>	<b>2013</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>5</b>	61.7	71.9	65.0	55.4	55.3	72.7	63.3
<b>4</b>	18.3	21.9	20.0	21.4	23.7	9.1	20.0
<b>3</b>	18.3	4.7	11.7	12.5	15.8	9.1	12.0
<b>2</b>	0.0	1.6	1.7	5.4	2.6	4.5	2.3
<b>1</b>	1.7	0.0	1.7	5.4	2.6	4.5	2.3
<b>Average</b>	<b>4.4</b>	<b>4.6</b>	<b>4.5</b>	<b>4.2</b>	<b>4.3</b>	<b>4.4</b>	<b>4.4</b>
<b>% 4/5</b>	<b>80.0</b>	<b>93.8</b>	<b>85.0</b>	<b>76.8</b>	<b>78.9</b>	<b>81.8</b>	<b>83.3</b>
<b>% 1/2</b>	<b>1.7</b>	<b>1.6</b>	<b>3.3</b>	<b>10.7</b>	<b>5.3</b>	<b>9.1</b>	<b>4.7</b>

<b>Table 3a<sub>iii</sub> (%)</b>	<b>2007</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
<b>5</b>	76.9	65.0	62.5	39.0	37.5	56.3
<b>4</b>	12.8	17.5	25.0	26.8	22.5	21.1
<b>3</b>	7.7	12.5	5.0	19.5	30.0	15.1
<b>2</b>	2.6	2.5	5.0	4.9	5.0	4.0
<b>1</b>	0.0	2.5	0.0	9.8	5.0	3.5
<b>Average</b>	<b>4.6</b>	<b>4.4</b>	<b>4.5</b>	<b>3.8</b>	<b>3.8</b>	<b>4.2</b>
<b>% 4/5</b>	<b>89.7</b>	<b>82.5</b>	<b>87.5</b>	<b>65.9</b>	<b>60.0</b>	<b>77.4</b>
<b>% 1/2</b>	<b>2.6</b>	<b>5.0</b>	<b>5.0</b>	<b>14.6</b>	<b>10.0</b>	<b>7.5</b>



## Cross tabulation by age group

<b>Table 3aiv (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	35.2	58.3	75.8	56.7
<b>4</b>	34.4	23.7	13.7	23.9
<b>3</b>	19.7	14.1	8.1	13.9
<b>2</b>	4.9	1.9	0.0	2.2
<b>1</b>	5.7	1.9	1.6	3.0
<b>Average</b>	<b>4.0</b>	<b>4.3</b>	<b>4.3</b>	<b>4.2</b>
<b>% 4/5</b>	<b>69.7</b>	<b>82.1</b>	<b>89.5</b>	<b>80.6</b>
<b>% 1/2</b>	<b>10.7</b>	<b>3.8</b>	<b>1.6</b>	<b>5.2</b>

<b>Table 3aiv (%)</b>	<b>2013</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	45.6	70.9	70.7	63.2
<b>4</b>	28.9	15.4	17.4	20.1
<b>3</b>	18.9	10.3	7.6	12.0
<b>2</b>	3.3	1.7	2.2	2.3
<b>1</b>	3.3	1.7	2.2	2.3

<b>Average</b>	<b>4.1</b>	<b>4.5</b>	<b>4.5</b>	<b>4.4</b>
<b>% 4/5</b>	<b>74.4</b>	<b>86.3</b>	<b>88.0</b>	<b>83.3</b>
<b>% 1/2</b>	<b>6.7</b>	<b>3.4</b>	<b>4.3</b>	<b>4.7</b>

<b>Table 3av (%)</b>	<b>2007</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	38.5	64.2	58.5	56.3
<b>4</b>	26.9	16.8	22.6	21.1
<b>3</b>	21.2	12.6	13.2	15.1
<b>2</b>	5.8	2.1	5.7	4.0
<b>1</b>	5.8	4.2	0.0	3.5

<b>Average</b>	<b>3.9</b>	<b>4.3</b>	<b>4.3</b>	<b>4.2</b>
<b>% 4/5</b>	<b>65.4</b>	<b>81.1</b>	<b>81.1</b>	<b>77.4</b>
<b>% 1/2</b>	<b>11.5</b>	<b>6.3</b>	<b>5.7</b>	<b>7.5</b>

## Cross tabulation by household type

<b>Table 3av (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	50.9	60.7	56.8
<b>4</b>	26.7	21.9	23.8
<b>3</b>	14.9	13.6	14.1
<b>2</b>	3.1	1.7	2.2
<b>1</b>	4.3	2.1	3.0
	100.0	100.0	100.0
<b>Average</b>	<b>4.1</b>	<b>4.2</b>	<b>4.2</b>
<b>% 4/5</b>	<b>77.6</b>	<b>82.6</b>	<b>80.6</b>
<b>% 1/2</b>	<b>7.5</b>	<b>3.7</b>	<b>5.2</b>

<b>Table 3av (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	58.7	66.0	63.3
<b>4</b>	26.6	16.2	20.0
<b>3</b>	12.8	11.5	12.0
<b>2</b>	0.9	3.1	2.3
<b>1</b>	0.9	3.1	2.3

<b>Average</b>			
<b>% 4/5</b>	<b>4.4</b>	<b>4.4</b>	<b>4.4</b>
<b>% 1/2</b>	<b>85.3</b>	<b>82.2</b>	<b>83.3</b>
	<b>1.8</b>	<b>6.3</b>	<b>4.7</b>

<b>Table 3avi (%)</b>	<b>2007</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	43.3	62.4	56.3
<b>4</b>	26.9	18.0	21.1
<b>3</b>	20.9	12.0	15.1
<b>2</b>	3.0	4.5	4.0
<b>1</b>	4.5	3.0	3.5

<b>Average</b>	<b>4.0</b>	<b>4.3</b>	<b>4.2</b>
<b>% 4/5</b>	<b>70.1</b>	<b>80.5</b>	<b>77.4</b>
<b>% 1/2</b>	<b>7.5</b>	<b>7.5</b>	<b>7.5</b>

**4b. Why is that?***(5 = very important, 3 = of some importance, 1 = relatively unimportant)***Clarence**

<b>Rating</b>	<b>Comments</b>
5	All waterways are important and need protection
5	Beautiful part of the city. Kids and dogs love swimming and playing near it
5	Beautiful river
5	Beautiful scenery for walks. Wonderful environment for wildlife. Great views for our environment.
5	Beautiful views, healthy beaches to use and share
5	Beauty and space to escape
5	Born and grown up around the estuary, part of lifestyle, lots of memories
5	Cleanliness
5	Dad rows on Derwent regularly. It is beautiful of a tourist attraction and is iconic
5	Derwent is the lifeline in Hobart. So beautiful
5	Estuary is a key part of Hobart and Southern Tasmania. Its health is important for our own health as well as for animals, fish etc. its health and reputation reflects on our own reputation as well as the 'clean and green' reputation we strive to aspire to.
5	Fish health. Affects many people using it.
5	Grandchildren love the area; want it to be clean
5	Having grown up in South Arm, and still reside here, I feel it is extremely important for it to remain environmentally sustainable for the future of my family and others. We are also very passionate about the native wildlife here.
5	Heart of the city
5	I fish and dive around the Derwent, walk the dog at the beaches, its Hobart's true centre
5	I have a jet ski and a boat and utilise the River a lot
5	I like being near a healthy river, beauty
5	I live close to the water
5	Identifies the health of Hobart
5	If we don't look after the environment, then we are not setting up our kids in the future
5	Inherent value, water important, use it lots
5	It is a natural beauty that is iconic to the Greater Hobart foreshore, and the city itself. It is part of our identity and part of our lives with walking, jogging, cycling, etc. all utilising it.
5	It is a wonderful habitat and provides beautiful surrounds for living
5	It is an integral part of Clarence, providing many options for family and community activity
5	It is beautiful to look at! We are very lucky to live so close to our lovely river!
5	It is our immediate environment - our home fronts the estuary
5	It is vital part of our community and must remain healthy
5	It's our life line to a healthy environment
5	It's a lovely environment to walk, swim, enjoy
5	Its natural beauty
5	It's the area we live
5	It's where we live
5	Lifeline of Hobart. Visual thing, scenic
5	Like it clean, fishing, use it lots
5	Living near the water is a huge factor in the enjoyment of our lifestyle. We all appreciate and value the river on a daily basis.
5	Look at it every day, part of Hobart
5	Most of southern Tasmania lives and plays around it
5	Next to kid's school. Use beaches a lot
5	Our waterways are very important to support living creatures & be clean
5	Part of community/lifestyle

5	Part of Hobart. Part of our lifestyle
5	Protect for future generations
5	Provides active lifestyle
5	Recreational activities. The river is what makes Hobart different from all other capital cities.
5	So it can be there for our kids and their kids
5	That's what Hobart is. Important for tourists to see a clean estuary
5	The foreshores should be better kept for walking.
5	Transport into town by ferry. Waterway needs to be clean
5	Unique waterway
5	We adore the water. Love to see dolphins in the bays and in summer we all but live at the beach
4	Because it's the place I live in
4	Clean water to swim in
4	Fishing.
4	I like to use the river for recreation purposes like fishing and a clean river means the fish can be eaten.
4	Important because I swim at the beaches and the pollution levels. And also nice to walk along beaches, and not see litter come up on the beach
4	Is a popular area for families
4	It is a largely polluted waterway but it is pretty. It could do with a clean up
4	It is a nice place to exercise, walk the dog and just generally relax.
4	It's a beautiful asset to our state
4	It's important to have a clean river
4	Lifeline of our city. Under-utilised. Need ferries more often used.
4	Natural appearance of Hobart. Beautiful scenery
4	Nice place to go. Looks nice
4	Part of Hobart's charm
4	Very important for Hobart lifestyle. Very pretty
4	We like to walk and be by the water
4	We live by it, our back yard
3	Haven't been recently just general concern for environment.
3	Our use is low, but it could be cleaned up so we can all swim in it like our grandparents used to. Hobart is based around the Derwent
3	I've not really ever thought about it
3	Beautiful place, scenic
3	Family live up there
3	Not overly concerned
3	We love walking around the foreshore, exploring the rocks
3	Estuary is something should be cherished by all for future generations
3	While it isn't a part of our daily lives, we recognise how fortunate we are to have access to an environment like it, and value the time we do spend out within it, and hope to continue to be able to in the future.
3	Usage low
3	Have not heard much about it
3	It is more for recreational use in my case.
2	Not using
2	Don't have anything to do with it
2	Doesn't affect my day to day routine
1	Dk
1	DK
1	Don't go near it
1	Never use it

**Hobart**

<b>Rating</b>	<b>Comments</b>
5	Affects all surrounding eco systems
5	Aesthetics, recreation, business, shipping, Antarctic
5	As it is used extensively for leisure and visual appeal
5	Beautiful place for recreation so close to home. Lovely to see it when walking around or to work - it has many natural moods and breaks the continuity of suburbs.
5	Beautiful river, needs good care
5	Beautiful river, pity it's filthy with heavy metals etc. It's the backdrop to Hobart, along with the mountain
5	Beautiful stretch of water
5	Because it's where we spend time
5	Clean waterways. As you know the mercury content is high
5	Environmental setting and recreation
5	Every day use for so many aquatic activities
5	Excellent recreational area, attractive scenery
5	Grandchildren play and clean up
5	Grown up in Hobart. Important for the future generations
5	Health reasons, also important to be clean and support marine life
5	I feel it is the life blood of Hobart, everything connects to the river
5	Important as habitat for wildlife
5	Intrinsic part of Hobart making a beautiful and peaceful environment
5	It a major part of our local community and must be preserved and maintained.
5	It forms part of our City and greater surrounds - it is part of our lifestyle. It enables us to swim, to go boating and further up beyond New Norfolk we water ski. It provides employment opportunities for tourist companies.
5	It is fundamental to the way I enjoy my life in Hobart. I see it and use it daily.
5	It is Hobart's identity and valued for recreational use
5	It is Hobart's identity. Hydropower infrastructure dependent on catchment.
5	It is important to protect the river
5	It is part of our local environment, I consider our environment to be very important even if I don't use it directly, it's health and accessibility is important to everyone in the community
5	It is the centre of Hobart
5	It is the lifeblood and cultural and historic identity of greater Hobart. It is a economic lifeblood with the port, cruise ships, and boat building. It is a uniquely awesome urban waterway in Australia, and will be an important transport route when we get ferries right
5	It's the lifeblood of our city
5	It's vital for living
5	It's a part of the city that we have enjoyed looking at, walking beside and admiring for generations.
5	It's a part of the makeup of Hobart. It's where we live.
5	It's always been there and a prominent feature of Hobart
5	Life blood of our city for recreation and beauty
5	Lifeline of Hobart
5	Lovely river. Heart of Hobart
5	Need it clean and healthy especially for the future
5	Need to protect, near me
5	Our son uses it for rowing and is a fisherman
5	Part of local recreation area
5	Part of the Hobart environment the reason we choose to live here. We don't want it to be just like all the other cities fully developed - this is what we love about Hobart and the reason our families and other visitors love it so much, Mona helps of course.
5	Part of the natural environment in which we live
5	Party of our heritage. Defines Hobart's identity and character

5	Recreation. Family had a boat shed at Cornelian Bay for number of years so strong connection to the River
5	See healthy river system where we live; no fish farms.
5	Should be a clean beautiful area
5	Stop pollutants. Whales used to inhabit the Derwent but not any more
5	To enjoy bushwalks. Enjoy living close to the Derwent Estuary
5	To maintain the ability to enjoy the ambience
5	We find it as an extension of our home environment.
5	We live around it, depend on it
5	We use it, I like being by the water
5	What we live with: if it's clean everyone thrives
4	Aesthetics
4	Beautiful river
4	Beautiful, central piece of Hobart. Close to beaches because Derwent is around the city
4	Beauty of the water surrounds, transport possibilities, sport and recreation for kids
4	Closest to us. Use and enjoy it
4	Derwent is Hobart's identity
4	Grew up on it. Part of city, connects Hobart area
4	Hobart is centred around it. Port area is shrinking, being sold off, unfortunately
4	It is the Estuary on which our home town is based, and we hope to see it become again a whale breeding ground with a viable ecosystem
4	It's part of our city, I swim in it, tourist enjoy and experience it
4	It's right on our doorstep. We love the walking areas
4	Love swimming in a natural river or sea.
4	Main place to swim
4	Needs to be healthy for Hobartians
4	Recreation previously, when young; used to work at Boyer, lot of fishing
4	Scenic
4	To ensure a clean river/estuary kept clear of rubbish and other environmental impacts
4	Want to swim, clean and useable. Dirty- reason they don't swim
4	We do not regularly visit the estuary but understand it's vital role in the ecosystem within Hobart
4	We live around and use it
4	We use it
3	I like walking there, and would like to swim there
3	It's important for the ecosystem
3	Natural area; like it healthy
3	Not in local area
3	Other focuses
1	no

### Kingborough

<b>Rating</b>	<b>Comments</b>
5	Allows us to enjoy water activities. Beautiful view of the River
5	Beautiful place for enjoyment. Flora habitat. Need to maintain for future
5	Beautiful river, lifeline of Hobart
5	Beautiful water. Need to protect it for future generations
5	Beautiful. Big part of my life and my hobbies
5	Belongs to the Hobart character, belongs as part of natural area.
5	Concerned about beach, people using it
5	Derwent is part of the ecological system
5	For clean water
5	For recreation, physical and psychological reasons, well being

5	I love to swimming and walking in the Derwent Estuary, it is a very special environment, very beautiful, would like my children and grandchildren to be able to enjoy it as much as I have
5	Intrinsic value, beauty, recreation
5	it forms part of our community & home
5	It is beautiful along the entire length. Good for tourism and water sports. Attracts cruise ships. Marine life coming back
5	It's a beautiful, natural area we enjoy and would like to preserve.
5	It's the area of so much recreation
5	It's where Hobart is. Our quality of life, everything to do with Hobart, depends on it
5	It's where we live
5	Just like looking at it
5	Live beside it
5	Look at it every day. Walk along the foreshores. Wildlife
5	My daughter was sick due to the unsafe water levels
5	Need to protect for environmental reasons with its fauna species
5	Nice view from our place. Would be upset if it was ruined
5	Our kids love the beach, we used to go there more frequently. Because it is beautiful, it is close to us and we feel we have some responsibility to look after it.
5	Part of Hobart. Needs to be clean so that people can interact with it. Also for tourists and wildlife
5	Part of our lives. Love it to be more pristine, cleaner
5	Part of Tasmania
5	Personal love of the sea. Good views. Lifestyle: important to my lifestyle
5	Quality of life. For environmental reasons as well as recreational
5	Recreation we enjoy near and on Derwent River
5	Special part of Hobart
5	Utilise it, sea-life etc
5	Very important to Hobart
5	Vital to humanity, to take care of River
5	We are very involved with Kingston beach
5	We live close to the Derwent Estuary and often visit beaches and walking tracks. We value the quality and health of the water and surrounding environment as a habitat for animals.
5	We live here
5	We live in it and eat from it
5	We live on it
5	We love it, use it
5	We need to keep our river clean
5	We view it from our home, we live with it, we enjoy it.
4	Important for recreational activities
4	Important, lots of people use it and it's beautiful
4	It is the major geographical feature or landmark splitting eastern and western shores of Hobart area
4	It need to be clean for future generations.
4	It's a key part to our environment
4	Its where we have to live and enjoy our time
4	Just a general love of the river
4	Like to swim in the estuary
4	Living by the sea, important that visitors can see a clean and healthy river
4	My grandson sails - I would like to think that he is sailing in clean uncontaminated water
4	Natural area, keep it pristine. Should be accessible and usable to people in community. To protect sea life.
4	Recreation: heavy use
4	Source of entertainment and joy
4	Very good area for walking dog

4	Views. Larger usage, larger population
4	We don't live locally to the Derwent Estuary, but consider it an important a lovely place to visit
4	We live here; with pressures on the environment it is important to maintain Derwent Estuary health
4	We moved house to be near beaches/water for us and our dogs to enjoy.
3	Because we have young children that want to use the facilities
3	Environment
3	Fishing is bonding time for us and a family tradition
3	Good to maintain wildlife areas etc. Offers recreation facilities, homes for wildlife
3	It's part of our local surroundings and we care about local wild life and water quality
3	Key part of Hobart and surrounding area, between the city and the sea
3	Nice to relax by the water to destress on weekends
3	We occasionally go to the beach and use the waterway, but not always.
2	Don't use it much, don't think about it
2	I tend not to go there but have an expectation of it being appropriately maintained.

### Glenorchy

<b>Rating</b>	<b>Comments</b>
5	A big part of the beauty and enjoyment of Hobart
5	Aesthetic and recreational quality
5	Beautiful area. Need to protect it
5	Beautiful estuary. Don't want it being ruined as is important to locals and tourists alike
5	Beautiful place to live
5	Beautiful place to raise a family
5	Beautiful river. Important to all generations
5	Beautiful views
5	Because itself where we live
5	Because we enjoy it being pristine and clean, rather than sludgy
5	Clean healthy environment
5	Enjoyment of the environment for recreational purposes.
5	Environment - we purchased our current home in 1990 largely due to the view over the river. Regularly walk and bird watch in James Austin, Weston and Shoobridge Parks and Poimena Reserve. Have seen dolphins in Beedhams Bay.
5	Future for our children
5	Gateway to Hobart
5	Heart of the city
5	Huge asset to have available. Very lucky to have access to a large river
5	I believe all water ways should be important to everyone, we need to keep them clean and clear
5	It is part of the beauty of Hobart and want it to not be spoilt
5	It is the place we walk, look at for relaxation and watching others play and it's what keeps the value in our homes
5	It provides a home to plants and animals, cleans the air, gives space for recreation and meditation, and provides beauty, views, makes the area special.
5	it service all of Hobart and needs to be looked after better - in this day and age it should not be polluted
5	It's beautiful and I love it
5	It's important to have a great estuary for recreation
5	It's the main water way in the community and is used for a lot of different activities by a lot of different people throughout the year. Including locals and tourists
5	It's a landmark on par with Mount Wellington
5	It's an important part of Hobart and the surrounding ecosystems. Also great for recreational activities
5	It's our backyard, I want it to be available to use for my children when older



5	It's part of our natural world and needs to stay there as a healthy ecosystem.
5	It's where we live
5	Lifeline of our city
5	Lifeline of the city
5	Love the aspect of a water focused life with opportunities to fish, swim and partake in fun activities that will have a positive impact on health and wellbeing
5	Love the beaches, like Kingston Beach where you can park nearby and have easy access to a clean beach
5	Part of Tassie. Been a long time in Tasmania - the River Derwent
5	Recreational activities as my so gets older
5	River is important for leisure recreation and the ecology of area
5	Sustainability of the marine environment
5	True life blood of Hobart
5	Water supply. Habitat. Beautiful bays and coves. Friendly places to walk
5	We feel it's vital to have access to clean estuaries, rivers and waterways! We enjoy many outdoor activities with our young families and want it to be a pleasurable experience without impacting our health.
5	We live very close to the water and I work in an environment that is close to the water
5	We need to preserve our town
5	We practically live on it.
5	We spend most of our day looking at it. When clean and looked after it is a lovely place to be
5	Where we live
5	Where would we be without the river? We need water, especially after there has been less rain and snow for 40 years. Birds are critical as well
5	Would love to fish in it more but always worried about eating the fish caught, and lovely scenery to walk along and show the kids
4	Affects surrounding community, flow-on effect
4	Appeal to local & tourism
4	Beautiful piece of water which is important for future generations
4	Don't really swim or fish
4	Goes all through Hobart. Prominent part of Hobart and outskirts
4	I like fishing but can't fish in the Derwent and the river is my view from the house
4	I see it out my window and drive past it every day. I walk along the Montrose foreshore
4	I wouldn't want it more polluted than what it is already
4	It is a beautiful area that needs looking after for future generations to enjoy
4	It is our duty to take care of nature and our community and natural resources
4	It's a key part of the environment, and we enjoy it.
4	It's close to where we live
4	Natural resource
4	Pleasing to the eye , a healthy river is an asset to the community
4	Swimming
4	The character of the River is what Hobart is all about
4	Visitors see it, clean image for fish
4	We live within 40m of the Derwent River
4	We need to have spaces for families to enjoy nature and be safe doing so.
4	Well not only is it a major draw card for tourism, it is home to unique species like the spotted hand fish
3	Husband likes fishing
3	I don't go there much
3	I live on a hill overlooking the river so I am constantly looking at it. It would be very important if I had confidence in the water quality. The dredged area near Bridgewater in particular is very uninviting at low tide.
3	I would say this is important because it protects and provides research into things such as pollution
3	It is part of our city, important to ships and for those who do use it for recreation

3	It's nice it's there
3	It's the biggest waterway we live near. I've heard all my life it's in a bad way so I think something needs to be done
3	It's an option of fresh air living in the suburbs
3	It's our environment that our next generation of children, then their children and so on that have to live with
3	Like it preserved for when I do visit
3	No particular reason
3	Should be kept clean. Part of Hobart. It's where we live
3	We don't use it for boating but we like walking beside the river.
3	You see it every day on the way to work. It's very visible to tourist
2	Drive around it sometimes
2	I'm not 100% sure what is meant by Derwent Estuary
1	Because it is our backyard
1	Because we are living next door
1	Because we want to walk and see clean water and water edges. Not all the rubbish and plastics floating everywhere, along with old wood and sticks everywhere
1	Doesn't rate as a consideration in life
1	Don't use it
1	Not important to us

### Brighton

<b>Rating</b>	<b>Comments</b>
5	A place where we like to enjoy clean and safe recreational activities as a family
5	As a tourist attraction
5	Beautiful river. Tourists love it
5	Beautiful waterway that should be treated well and respected
5	Grew up in New Norfolk, boating and fishing all my life and now my sons are fishing and boating
5	Healthy waterways, healthy fish
5	i grew up fishing and boating in this area
5	I love driving home next to the river, looking at the lights at night time, watching the ducks, swans, etc. Walking the dog around the walkway by the river, sitting down by the river on the seats supplied by council and just enjoying the peace and quiet. It is very special.
5	I walk the shores and love to see the wildlife using the river
5	If that's not healthy, then no fish or wildlife
5	Look over it. Fishing etc. Walking around the foreshore.
5	Over years been polluted by Boyer and EZ
5	Recreational activities fishing, beach, boating
5	The Health of the river reflects the health of what lives in and on the river, we need to look after it and protect it. We need more rubbish collection points along both sides of the river.
5	The most beautiful river. Look on the river, at our home
5	The river quality has deteriorated over the past years compared to 20 years ago
5	We need to look after the place, clean up the rubbish and leave it a better place for the next generation
5	Well-being of wildlife: fish, whales etc in Derwent Estuary, and caring for environment for future generations is important
5	Wildlife: stay healthy, so the wildlife stays healthy and has a place to live
4	All waterways are important
4	Because this is where my children are raised
4	Cultural (Tasmanian aboriginal)
4	It's not far from where I live. Smells terrible. Full of pollution
4	It's a beautiful waterway, hopefully to be enjoyed for many years to come. I do hope that the water, and aquaculture will increase in quality and quantity

4	It's beautiful to see the birds on the River, and it is so nice to look at
4	It's the main body of water closest to our home
4	Look at it. Surrounds us.
4	Nature and the environment should be kept as close as possible to its natural state in my opinion. Our house overlooks part of the Derwent and I'd prefer to see natural beauty kept intact - really pisses me off when you see cars either burnt out, or driven into the Derwent in an attempt to conceal evidence. Also, using the foreshore to dump rubbish upsets me greatly as well. And I'm definitely not a greenie!
4	Not good to have polluted waterways
4	Opens up more things to do: range of activities possible near Hobart (sometimes as a family)
4	The River is Hobart! Our lives and lifestyles are tied to the water.
4	Vandalism is a problem with the walking/bike riding track that runs around the river. Dirt bike riders spoil it for others too.
4	We live close to the River, we see it all the time, driving home etc.
4	We use it
4	We use this resource for our exercise and relaxation after a long week at work and it help refresh our souls.
3	Don't want to see it ruined but I also don't have much to do with it
3	I choose number three as I don't feel safe fishing, swimming etc due to other people
3	I do care but apart from feeding the ducks there's not much else. Personally we won't swim in it due to pollution.
3	Nice water views
3	Not high on our priority list
3	Other families, farmers, orchards rely heavily on the health of the Derwent river, which can affect me personally and my employer
3	The health of our environment reflects and impacts our health and wellbeing, and the Derwent River/Estuary is the most important water course around here.
3	Value of pleasure for family using river particularly grand kids
3	Water quality needs to be preserved as water is essential for all life
3	We prefer to use the beaches
3	Where we live, particularly in summer at low tide there can be a reasonably offensive odour from the exposed mud flats
2	No good fishing in murky waters
1	Because I don't often think about it

### Derwent Valley

Rating	Comments
5	A pleasure to look at
5	Beautiful and calming
5	Beauty. Lot of people use it, awareness to care for it
5	Fresh water from upper reaches should be protected and used
5	It is a beautiful river to enjoy
5	It's our main water source
5	It's the river that flows through our town
5	Main waterway, good to keep it healthy, everyone lives too close
5	Need the water to live. Norfolk draws water for town supplies.
5	Overall our rivers need to be looked after and protected
5	Part of our resources, providing water. Part of nature.
5	Potential tourism, employment, lifestyle, visual amenity, water resource, recreational potential
5	Pro conservation, pro-environment, pro sustainability, possess a functioning cerebellum.
5	Provides great quality of life to view the River
5	To keep good for next generation; we are custodians of the river
5	Water is life. Balance and management is critical
4	It supplies fishing and bird sanctuary, boating, swimming, walks, relaxation facilities etc.

4	Maintaining natural environment
4	New Norfolk is an isolated area and river provides activities and something to do
4	Use it lots, clean and beautiful
3	It's important to keep on top of nature and to help the environment grow however we have only recently moved up from the centre of Hobart and we are only just getting involved in the community so have not seen too much of this area as of yet.
3	We live close by

### 5a. How would you rate the present health of the Derwent Estuary?

(5 = excellent, 3 = OK, 1 = poor)

<b>Table 5ai</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
5	1	1	0	3	1	4	10
4	10	11	6	5	5	5	42
3	52	35	34	39	20	7	187
2	16	15	19	26	11	3	90
1	6	12	10	13	9	0	50
	85	74	69	86	46	19	379
don't know	4	5	5	5	3	3	25

<b>Table 5aii</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
5	1.2	1.4	0.0	3.5	2.2	21.1	2.6
4	11.8	14.9	8.7	5.8	10.9	26.3	11.1
3	61.2	47.3	49.3	45.3	43.5	36.8	49.3
2	18.8	20.3	27.5	30.2	23.9	15.8	23.7
1	7.1	16.2	14.5	15.1	19.6	0.0	13.2
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>Average</b>	<b>2.8</b>	<b>2.6</b>	<b>2.5</b>	<b>2.5</b>	<b>2.5</b>	<b>3.5</b>	<b>2.7</b>
<b>% 4/5</b>	<b>12.9</b>	<b>16.2</b>	<b>8.7</b>	<b>9.3</b>	<b>13.0</b>	<b>47.4</b>	<b>13.7</b>
<b>% 1/2</b>	<b>25.9</b>	<b>36.5</b>	<b>42.0</b>	<b>45.3</b>	<b>43.5</b>	<b>15.8</b>	<b>36.9</b>

<b>Table 4aiii (%)i</b>	2013						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
5	0.0	5.1	3.7	1.9	0.0	19.0	3.5
4	24.6	15.3	20.4	3.7	13.2	23.8	16.3
3	56.1	52.5	55.6	51.9	50.0	47.6	53.0
2	15.8	25.4	14.8	27.8	21.1	4.8	19.8
1	3.5	1.7	5.6	14.8	15.8	4.8	7.4
<b>Average</b>	<b>2.9</b>	<b>2.9</b>	<b>3.0</b>	<b>2.5</b>	<b>2.6</b>	<b>3.5</b>	<b>2.9</b>
<b>% 4/5</b>	<b>24.6</b>	<b>20.3</b>	<b>24.1</b>	<b>5.6</b>	<b>13.2</b>	<b>42.9</b>	<b>19.8</b>
<b>% 1/2</b>	<b>19.3</b>	<b>27.1</b>	<b>20.4</b>	<b>42.6</b>	<b>36.8</b>	<b>9.5</b>	<b>27.2</b>

<b>Table 4aiv (%)</b>	<b>2007</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
<b>5</b>	10.8	7.9	5.6	2.7	5.3	6.5
<b>4</b>	18.9	13.2	16.7	8.1	23.7	16.1
<b>3</b>	51.4	57.9	58.3	51.4	50.0	53.8
<b>2</b>	18.9	15.8	19.4	27.0	15.8	19.4
<b>1</b>	0.0	5.3	0.0	10.8	5.3	4.3
<b>Average</b>	<b>3.2</b>	<b>3.0</b>	<b>3.1</b>	<b>2.6</b>	<b>3.1</b>	<b>3.0</b>
<b>% 4/5</b>	<b>29.7</b>	<b>21.1</b>	<b>22.2</b>	<b>10.8</b>	<b>28.9</b>	<b>22.6</b>
<b>% 1/2</b>	<b>18.9</b>	<b>21.1</b>	<b>19.4</b>	<b>37.8</b>	<b>21.1</b>	<b>23.7</b>

## Cross tabulation by age group

<b>Table 4av (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	0.0	3.3	4.4	2.7
<b>4</b>	7.9	10.0	15.9	11.1
<b>3</b>	50.9	47.3	50.4	49.3
<b>2</b>	21.1	27.3	21.2	23.6
<b>1</b>	20.2	12.0	8.0	13.3
<b>Average</b>	<b>2.5</b>	<b>2.6</b>	<b>2.7</b>	<b>2.6</b>
<b>% 4/5</b>	<b>7.9</b>	<b>13.3</b>	<b>20.4</b>	<b>13.8</b>
<b>% 1/2</b>	<b>41.2</b>	<b>39.3</b>	<b>29.2</b>	<b>36.9</b>

<b>Table 4avi (%)</b>	<b>2013</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	4.7	0.9	5.9	3.5
<b>4</b>	14.1	17.9	16.5	16.3
<b>3</b>	54.1	50.0	55.3	52.8
<b>2</b>	22.4	20.5	16.5	19.9
<b>1</b>	4.7	10.7	5.9	7.4
<b>Average</b>	<b>2.9</b>	<b>2.8</b>	<b>3.0</b>	<b>2.9</b>
<b>% 4/5</b>	<b>18.8</b>	<b>18.8</b>	<b>22.4</b>	<b>19.9</b>
<b>% 1/2</b>	<b>27.1</b>	<b>31.3</b>	<b>22.4</b>	<b>27.3</b>

<b>Table 4avii (%)</b>	<b>2007</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>5</b>	0.0	7.8	10.4	6.5
<b>4</b>	14.6	15.6	18.8	16.1
<b>3</b>	56.3	52.2	54.2	53.8
<b>2</b>	27.1	18.9	12.5	19.4
<b>1</b>	2.1	5.6	4.2	4.3
<b>Average</b>	<b>2.8</b>	<b>3.0</b>	<b>3.2</b>	<b>3.0</b>
<b>% 4/5</b>	<b>14.6</b>	<b>23.3</b>	<b>29.2</b>	<b>22.6</b>
<b>% 1/2</b>	<b>29.2</b>	<b>24.4</b>	<b>16.7</b>	<b>23.7</b>

## Cross tabulation by household type

<b>Table 4aviii (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	0.7	4.0	2.6
<b>4</b>	8.6	12.8	11.1
<b>3</b>	49.3	49.3	49.3
<b>2</b>	24.3	23.3	23.7
<b>1</b>	17.1	10.6	13.2
<b>Average</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>
<b>% 4/5</b>	<b>9.2</b>	<b>16.7</b>	<b>13.7</b>
<b>% 1/2</b>	<b>41.4</b>	<b>33.9</b>	<b>36.9</b>

<b>Table 4aix (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	1.0	5.0	3.5
<b>4</b>	16.3	16.2	16.3
<b>3</b>	54.8	52.0	53.0
<b>2</b>	21.2	19.0	19.8
<b>1</b>	6.7	7.8	7.4

<b>Average</b>	<b>4.4</b>	<b>4.4</b>	<b>4.4</b>
<b>% 4/5</b>	<b>17.3</b>	<b>21.2</b>	<b>19.8</b>
<b>% 1/2</b>	<b>27.9</b>	<b>26.8</b>	<b>27.2</b>

<b>Table 4ax (%)</b>	<b>2007</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>5</b>	1.6	8.9	6.5
<b>4</b>	19.0	14.6	16.1
<b>3</b>	46.0	57.7	53.8
<b>2</b>	27.0	15.4	19.4
<b>1</b>	6.3	3.3	4.3

<b>Average</b>	<b>2.8</b>	<b>3.1</b>	<b>3.0</b>
<b>% 4/5</b>	<b>20.6</b>	<b>23.6</b>	<b>22.6</b>
<b>% 1/2</b>	<b>33.3</b>	<b>18.7</b>	<b>23.7</b>

**5b. And would you say it is better, about the same or worse than 5 years ago?**

<b>Table 5bi</b>	(frequency)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
better	22	25	9	22	13	5	96
same	47	27	25	47	22	11	179
worse	15	21	34	19	10	3	102
	84	73	68	88	45	19	377
don't know	5	6	6	3	4	3	27

<b>Table 5bii</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
better	24.7	31.6	12.2	24.2	26.5	22.7	23.8
same	52.8	34.2	33.8	51.6	44.9	50.0	44.3
worse	16.9	26.6	45.9	20.9	20.4	13.6	25.2
don't know	5.6	7.6	8.1	3.3	8.2	13.6	6.7

<b>Table 4biii</b>	(%)	2013					
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
better	56.7	54.7	38.3	44.6	44.7	50.0	48.3
same	33.3	26.6	33.3	28.6	15.8	36.4	29.0
worse	1.7	7.8	10.0	17.9	39.5	4.5	12.7
don't know	8.3	10.9	18.3	8.9	0.0	9.1	10.0

<b>Table 4biv</b>	(%)	2007				
	Clarence	Hobart	King-borough	Glenorchy	Brighton/DV	Total
better	46.2	40.0	40.0	39.0	40.0	41.0
same	35.9	40.0	22.5	26.8	35.0	32.0
worse	15.4	12.5	17.5	22.0	15.0	16.5
don't know	2.6	7.5	20.0	12.2	10.0	10.5

**Cross tabulation by age group**

<b>Table 4bv (%)</b>				
	18 - 39	40 - 59	60 +	Total
better	12.3	30.0	31.0	24.9
same	56.1	46.0	40.7	47.5
worse	30.7	22.7	29.2	27.1
don't know	7.9	5.3	8.8	7.2

<b>Table 4bvi (%)</b>	<b>2013</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>better</b>	37.8	47.0	59.8	48.2
<b>same</b>	36.7	29.9	20.7	29.1
<b>worse</b>	10.0	16.2	10.9	12.7
don't know	15.6	6.8	8.7	10.0

<b>Table 4bvii (%)</b>	<b>2007</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>better</b>	34.6	41.1	47.2	41.0
<b>same</b>	26.9	35.8	30.2	32.0
<b>worse</b>	26.9	13.7	11.3	16.5
don't know	11.5	9.5	11.3	10.5

## Cross tabulation by household type

<b>Table 4bviii (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>better</b>	21.7	27.8	25.3
<b>same</b>	51.3	44.5	47.2
<b>worse</b>	27.6	26.4	26.9
don't know	5.0	7.8	6.7

<b>Table 4bix (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>better</b>	44.0	50.8	48.3
<b>same</b>	33.9	26.2	29.0
<b>worse</b>	15.6	11.0	12.7
don't know	6.4	12.0	10.0

<b>Table 4bx (%)</b>	<b>2007</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>better</b>	38.8	42.1	41.0
<b>same</b>	28.4	33.8	32.0
<b>worse</b>	19.4	15.0	16.5
don't know	13.4	9.0	10.5



## 6. What do you see as the greatest environmental threat to the Derwent Estuary right now (if any)?

### Summary table

<b>Table 6 (%)</b>							
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Stormwater	10.1	15.2	17.6	8.8	10.2	9.1	<b>12.1</b>
Boats - rubbish overboard	13.5	7.6	12.2	7.7	2.0	4.5	<b>8.9</b>
Shipping	1.1	0.0	0.0	0.0	0.0	0.0	<b>0.2</b>
Industry	19.1	32.9	27.0	18.7	24.5	27.3	<b>24.3</b>
Sewerage	23.6	22.8	25.7	11.0	14.3	22.7	<b>19.8</b>
Pollution - general	44.9	32.9	29.7	52.7	44.9	40.9	<b>41.3</b>
Sea stars, other marine pests	3.4	3.8	1.4	2.2	0.0	0.0	<b>2.2</b>
Fishing	1.1	0.0	1.4	2.2	0.0	4.5	<b>1.2</b>
People not looking after it	0.0	2.5	2.7	1.1	0.0	4.5	<b>1.5</b>
Erosion	2.2	0.0	1.4	1.1	0.0	0.0	<b>1.0</b>
Climate change	2.2	0.0	4.1	0.0	2.0	0.0	<b>1.5</b>
Development	1.1	6.3	5.4	2.2	6.1	0.0	<b>3.7</b>
Plastics	6.7	3.8	9.5	2.2	2.0	0.0	<b>4.7</b>
Other	0.0	0.0	0.0	4.4	12.2	4.5	<b>2.7</b>
Nothing specified	12.4	10.1	4.1	4.4	8.2	13.6	<b>8.2</b>

<b>Table 5 (%)</b>	<b>2013</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Stormwater	15.0	25.0	18.3	19.6	2.6	4.5	16.3
Boats - rubbish overboard	6.7	4.7	6.7	3.6	2.6	0.0	4.7
Shipping	6.7	3.1	5.0	3.6	0.0	4.5	4.0
Industry	30.0	40.6	28.3	39.3	44.7	27.3	35.3
Sewerage	13.3	15.6	25.0	12.5	13.2	9.1	15.7
Pollution - general	21.7	15.6	25.0	12.5	26.3	13.6	19.3
Sea stars, other marine pests	5.0	9.4	13.3	1.8	10.5	4.5	7.7
Fishing	3.3	0.0	0.0	0.0	0.0	0.0	0.7
People not looking after it	10.0	17.2	10.0	16.1	18.4	13.6	14.0
Erosion	1.7	0.0	0.0	1.8	0.0	0.0	0.7
Nothing specified	15.0	15.6	10.0	8.9	2.6	27.3	12.3

**Clarence** (sorted by first mention)

Ballast water and invasive species
Big industry polluting into river. Speed boats can kill native wildlife
Concern about cruise ships
Cruise ships
Cruise ships. Salmon farming. Industry run off
Definitely pollution
Different species coming in on the bottom of ships that I've read about
Factories up river- waste being pumped into the river
Fresh water runoff and the addition of grey water which should be diverted to agriculture and needs in farming areas like Coal River Valley/
Human pollution
Human waste
Humans activities, waste water sewerage and rubbish, cruise ships and boaties pumping untreated sewerage into river
Humans and waste
I'm not sure I really have enough knowledge to answer questions about the current health of the river accurately. I know there have been some contamination issues in the recent past. I would think the greatest threats would potentially come from aging sewer and stormwater infrastructure, leaking contaminants into the river. Probably also industrial run-off and waste.
Litter
Litter and human pollution
Littering
Marine pests and weed.
Oil spills
Outflow from sewerage and stormwater
Pests arriving on ships or oilrigs.
Plastic bags, rubbish. Sewerage is better than what it was, I believe, but has been a threat to the Derwent
Plastic waste
Plastics. Heavy industry
Pollutants: sewerage leaks, heavy metal contaminants
Polluted water, sewerage
Pollution
Pollution
pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution and possibly what is pumped into the river from big ships. eg. ballast water
Pollution from zinc works. Erosion on the beaches
Pollution into it
Pollution, commercial, factories: big impact
Pollution, erosion, commercial mostly
Pollution, over fishing,
Pollution: rubbish
Pollution? Visiting ships dumping contaminated ballast water?
Pollution

Pollution
Pollution and climate change.
Pumping of sewerage into the Derwent
Refuse
Rubbish
Rubbish
Rubbish, littering. Oil from big boats, for example cruise ships
Rubbish, sewerage spills, oil spills
Rubbish: plastics, straws, butts, fast food containers, lots of rubbish. Sewerage problem on Bellerive beach recently
Run off, sewerage, plastic pollution
Salmon fishing moving in, mountains of poo, poisons local water, effects eco systems, everything dies off
Sewerage and commercial and boating waste
Sewerage and water treatment issues
Sewerage escape
Sewerage overflows and the washing into the river of animal faecal matter during floods. Also I am unsure of the level of heavy metal pollution that was an issue many years ago.
Sewerage, not properly treated. Upgrade to system, sub divisions, potential problem storm water etc.
Sewerage pollution, and plastic pollution
Sewerage systems: need to be better maintained
Sewerage. Contamination from rubbish
Shell fish and other species
Storm water
Storm water runoff and waste water treatments entering the river at substandard levels
Storm water runoff, run off from big business, micro plastics, rubbish, sewerage failures
Storm water runoff, sewerage outlet and water quality in Blackmans Bay
Storm water, climate change and sewage
The pollution
The smelting factory
The stuff that gets put in it
Waste products in the Derwent
Waste water upstream from sewerage treatment plants, waste water from Pasminco, Cadbury's and Boyer. Stormwater is also untreated ...
Water pollution and reduction of biodiversity. Impacts of things like increased boat and jet ski (which should be banned)
Water pollution, dying sea life
Water quality is perceived to be decreasing, as evident with the number of fish contamination cases that have been reported in recent years. Not sure what specifically caused each case, but presume waste run-off was involved and/or inadequate management/treatment of that waste

No response = 11

#### **Hobart** (sorted by first mention)

Boats, other vessels: pollution. Industry pollution
Boyer and Nyrstar and any heavy industry. Effluent plus sewerage and storm water inflow into Derwent Estuary
Building/housing development
Discharge of chemicals etc , antiquated sewerage outflows. The possibility of pollution by fish farms in Storm Bay, over the estuary mouth.

Dumping waste going into it. Zinc
Effluent and spillage coming into the river. Increased population
Fish farming: commercialising the river
Fish farms, storm water and sewerage
Foreign marine creatures and contaminates from visiting marine craft
General rubbish being thrown in by careless people
Heavy metals: zinc works
Housing along foreshore and near beaches
Increase of cruise ships, environmental damage elsewhere in world
Indirect pollution, sewerage and storm water
Industry by products and plastics.
Invasive species of marine animals and plants
Litter and oil from stormwater runoff especially during storms
Litter and pollution
Major industry- Nystar
Maybe pollution
Oil rig and cruise ships dump their waste in the River. Zinc works: local fish eat it
Oil spills and heavy metal contamination.
Over development
Past pollution from the zinc works
Plastic
Pollutants
Pollutants
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution- discarded rubbish
Pollution from industry
Pollution from large companies
Pollution from poorly managed and regulated industry on or near the estuary
Pollution- need to find where it comes from and fix it (Blackmans Bay)
Pollution- people dumping rubbish. Don't clean up after themselves
Pollution, rubbish
Population and misuse by people. Rubbish facilities inadequate or not used. Boating pollutes. Sewerage and run off not managed well.
Possibility of salmon farm coming, and pollution
Recreational boats, dumping sewerage and also cruise ships dumping. Expansion of fish farms
Rubbish and pollution from cruise ships in particular
Rubbish from companies
Rubbish in it
Rubbish- stormwater/ sewerage
Rubbish, sewerage, contamination
Rubbish. Sewerage treatment
Run-off from factories
Sea star, inappropriate use, pollution
Sewerage
Sewerage discharge, untreated, cigarettes from storm water
Sewerage

Sewerage and run off
Sewerage and stormwater disposal
Sewerage contamination
Sewerage outflows into the river, and storm water
Sewerage overflow, sea stars, and historical heavy metals from zinc works and effluent from Boyer
Storm water during rain events washing animal's droppings into the river, litter, spreading of weeds on banks which break off and are dispersed. Increased pollution from roads (oil slicks already visible round Constitution Dock etc , rubber from tyres, etc) which will become worse with predicted storm surges up to the Grand Chancellor etc.
Storm water. Industry
Waste and heavy metals
Waste pollution- plastics. Peoples apathy with personal disposal
Waste water and run off
Water pollution
Zinc works
Zinc works pollution
Zinc works run off. Witnessed ships unloading, lots of spill. Fish effects terrible
Zinc works, cargo ships, sewerage
Zinc works. The amount of untreated sewerage being dumped into the river

No response = 8

#### **Kingborough** (sorted by first mention)

Algal bloom
Climate and the fish
Climate change with sea levels rising could impact shorelines. Pollution from human activity, rubbish, chemical and plastics
Climate change, pollution.
Commercial waste from factories
Cruise boats. Sewage spills
Cruise ships and cargo boats: possible sewerage leak or oil spill
Drains, sewerage, storm water, big cruise ships coming into the harbour and dumping their waste which has supposedly been treated
Effluent pollution
Erosion
Excess plastic, rubbish from our land going through our waterways
Farm and chemicals from upstream. Bad practices with run off probably still going on
Fish farms
Fish farms- pollution
Fish farms...damage to sea bottom, pellets being eaten by seagulls increasing numbers and excrement into the water in the bays.
Heavy industry, sewage overflows and over fishing
Heavy metals, storm water runoff, sewage
Human pollution
Humans and development, lack of planning results in impacts on waterways
Imported species, ie sea stars, etc
Increased population, legacy issues with metals
Increasing housing developments with associated storm water pollution issues
Industrial pollution
Industry, zinc works in particular. Increased population meaning increased pollution
Lack of modern sewerage facilities

Lack of storm water and sewerage management. Pollution from fish pens and cruise ships.
Litter
Mankind and activities
Output from sewerage plants
People: ignorance, poor storm water and sewage, people don't care, selfishness
Plastic
Plastic pollution in waterways
Plastics
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution from industry- over population from vessels
Pollution from sewerage, oil and fumes from boats
Pollution from upstream
Pollution of E.coli after rain and it can contaminate Kingston Beach. Dogs can get ear infections at Kingston Beach if contaminated vets advice, don't swim dogs
Pollution, run off, mostly residential
Pollution. Need to keep the water clean and healthy
Pollution. Rubbish like plastic bags for example.
Rubbish getting into river
Rubbish: plastics etc, mostly residential. Maybe ship bilge water
Run off, sewage, maintenance issues
Salmon farming
Salmon farms shouldn't be in the Derwent, sediment won't get cleaned off the bottom.
Sewerage at Blackmans Bay
Salmon farms. Oil rig earlier this year
Sewerage untreated, plastic killing fish life,
Sewerage and bacteria as well as industrial waste
Sewerage Blackmans Bay, town pollution
Sewerage outfall, Plastic pollution
Sewerage works
Stormwater and sewerage pollution
Stormwater run off
Stuff people put down their drains
The amount of dogs on the beach, with owners not cleaning up after them. Rubbish being left on the beach
The increase of cruise ships. The zinc works
Untreated storm water and sewerage, loss of vegetation, worst run off
Waste: storm water and sewage and grey water
Water pollution from storm water drainage
Water quality
Water quality at the beaches (for us)
Water quality from run off pollutions
Water safety- if you can't swim, what about the fish?
What runs into it e.g. stormwaters. Big tankers in it, using the waterways. Fish farming-salmon
Zinc works

No response = 3

**Glenorchy** (sorted by first mention)

Air pollution
Boats
Cant fish there
Contaminated shellfish and littering
Development
Discharge of industrial pollution, run off and storm water
Dumping of waste matter
Dumping rubbish: boat users and littering around the shores. Need to stop using polystyrene, including coffee cups
Erosion: Sandy Bay, Tranmere, Risdon Cove
Existing heavy metal contamination from zinc works
Ferry traffic
Filth from unrecycled plastic products
Fish farming: no need for waste from fish
Heavy industry at New Norfolk
heavy industry, heavy metals, pollution
Heavy metals, dog faeces after heavy rain (via storm water and washed in from rivulet banks). Also possibly human sewage???
Historical pollution- sewerage follows on from previous years ago
Human pollution, especially near the Derwent Entertainment Centre
I see garbage/waste potentially becoming a bigger threat
Increased narrowing towards New Norfolk due to build-up of silt and floating logs
Industrial waste
Industrial waste and sewerage
Industry Goodwood and Selfs Point, Lutana etc.
Industry: zinc works, fish farming
Interstate boats and cruise ships dumping rubbish
Large factories (Nyrstar), dumping ground- using the river as a tip, oil rigs in the Derwent possible threat
Life of our seafood
Litter
Litter
Litter and pollution
Litter and sewerage/contaminants
Not getting into that because of the risk that Green activists will use the response to stifle business and over-regulate the rest of us
Nothing sticks out. It seems the businesses in the river are doing what is needed and sticking to guidelines as far as emissions go. They would be our greatest threat
Ocean liners coming in to Harbour. Nyrstar works and other factories. Plastics in waterways. Sources of water pollution
People
Politicians: say they're going to clean it up, never eventuates. Lots of talk but not much doing.
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution
Pollution



Pollution
Pollution
Pollution
Pollution
Pollution
Pollution and sewerage
Pollution and sewerage issues
Pollution by those who use it and from the greater population
Pollution especially from zinc works
Pollution from human waste
Pollution from water runoff and plastics
Pollution, plastics
Pollution.
Pollution: littering and sewerage in Kingston, Sandy Bay and Blackmans Bay beaches
Rubbish
Rubbish
Rubbish
Rubbish
Rubbish
Rubbish
Rubbish
Rubbish and the public that don't care
Rubbish collection
Rubbish dumping
Rubbish pollution
Rubbish washing up and gathering on the foreshore from littering
Run off
Run off from storm water and development
Run off from streets and business
Sea stars
Sewage problems and errors. It stinks
Sewerage
Sewerage leakage. Sydney to Hobart yachts- litter, personal body functions into the Derwent
Sewerage leaking into the river. Pollution. Heavy presence of starfish
Ships expelling from the zinc works into the river
Some areas are good, others contaminated, e.g. Glenorchy foreshore no swim zone
Stormwater runoff carrying plastics and waste into it
Stormwater washing litter and other things eg road scum into the river
The zinc works
Water quality
Wildlife and rubbish
Zinc works
Zinc works is a threat- Nyrstar. Cadbury factory also

No response = 4

### **Brighton** (sorted by first mention)

Big businesses not being kept in check and human pollution (rubbish etc)
Boyer paper mill pollution, very bad for health. I can remember when I was growing up you had to wear a mask almost for protection
Climate change
Criminals and bored teenagers. People use their needles for drug addiction and leave them

for others to step on or children to pick up.
Cruise ships in Hobart
Development
Effluent from roads and stormwater into Estuary
Factories. Run off from households
Fish farms in the Channel e.g. scallop season closure. Rubbish. Bridgewater Bridge causeway is closed, silt trapped as a result.
Flooding, Rubbish, farming and the paper mill.
Garbage thrown into the river
I believe pollution is the great threat to the Derwent Estuary. Lots of rubbish around the banks
I think it is being looked after much better now.
Inability to have a clean tidal flow. Natural cleanse of mud flats, etc
Industry
Litter and big business pollution.
Littering
Littering in the waterways and beaches
Minimise waste into River system from Boyer Mill and Zinc works
None, heavy industry?
Out fall from non-monitored industry and development.
People building
Pollution
Pollution
Pollution from stormwater run off
Pollution of waterways, particularly from storm water and sewerage
Pollution, rubbish
Pollution, rubbish dumps and sewerage looked up to storm water
Pollution, sewerage
Pollution: EZ and Boyer
Pollution
Restricted water flow, caused in part by the Bridgewater causeway, creating a build-up of contaminants, especially heavy metals.
Rubbish
Rubbish
Rubbish and plastic and burnt out cars
Rubbish in the river
Rubbish, including car bodies, in the water at Nielson Esplanade, Bridgewater, so not possible to swim there any more
Sediment (Bridgewater area)
Sewerage and also rubbish washing into it from the shores
Sewerage contamination
Sewerage treatment
Siltation and lack of water flow
Stormwater runoff from blocked drains full of vegetation debris
Stormwater run-off and sewerage
Swans will die, animals living around the foreshore won't flourish either
Zinc works and Boyer mill, putting waste into estuary

No response = 4

**Derwent Valley** (sorted by first mention)

A bit from paper mill. I wouldn't eat fish from near there.
Build-up of silt around Bridgewater so not flushing out
Illegal dumping of chemicals. Irresponsible fishermen. Excess weed growth
Lack of regulation of flow in of waste to River
Littering
Man-made pollutants; illegal water draw
Newspaper mill
No imminent threat, but need to be vigilant in regard to spills and rubbish pollution, storm water runoff and sewer spills.
No threat in New Norfolk area, maybe down further now that Boyer has been cleaned up.
Norske Skog factory, local farm effluent
Poisons, sewerage and flood
Pollution
Pollution
Pollution
Pollution
Pollution from sewerage and agriculture spray and weed killers that enter the river plus personal rubbish and cigarette butts
Pollution. People not taking responsibility for their own waste
Pollution: boat rubbish, farms and factories (paper mill). Bird poo
Rubbish entering the river
Sewerage treatment, councils

No response = 3

## 7. And who do you think should be mainly responsible for the protection of the Derwent Estuary?

### Summary table

	2019		2013	2007
	Freq.	%	%	%
State Government	181	44.8	44.7	53.0
Local Government	181	44.8	37.0	27.0
Government - general	54	13.4	13.0	20.0
Community/everyone	112	27.7	24.3	14.5
Federal Government	24	5.9	5.3	7.5
Industry	12	3.0	6.0	1.0
Other	29	7.2	11.3	
Derwent Estuary Program	4	1.0	0.7	
TasWater	17	4.2		
	614*			
Don't know	14			

\* multiple responses

**State Government and related (181 responses)**

DPIPWE
Due to Liberal winning the election, I feel like it should be their job to protect the Derwent Estuary
Environmental Department, State Government
Environmental Protection Authority (State Government)
Government, state and local, residents and visitors
Health and Environment Department
I thought that was why we have an Environmental Protection Agency.
Lands Department
Local Environment Minister
Local Government or a dedicated water or river authority
Local State Government
Minister for environment
Needs to be state government, as Councils would not have a consistent approach.
Parks and wildlife department
Parks and wildlife with councils ...jointly
Primarily State Government with the local councils contributing
State and Federal Government should have oversight and overall accountability for the waterway and adjacent land
State and local government. State Government needs to provide resources.
State Government (do more to help)
State Government (EPA or overacting body)
State Government as local councils would only be concerned about their own areas, not the big picture (the whole Estuary) which would result in fighting and things not getting done as quickly as they should if a problem arose. Also, TasWater should be held responsible as well as they essentially control water quality (need government oversight to fully protect environment stakeholders etc)
State Government but I wouldn't trust them as in their past record and the fact they support the cable car, so I really don't know. An environment protection agency set up for the purpose of protecting the river and the mountain, cause it is these that define Hobart
State Government Department of Environment
State Government should coordinate as very few of these problems are within the power of any particular council to fix
State Government: too difficult for multiple councils to be in charge, needs overseeing body
Unsure. Maybe primary industries department

**Local Government and related (181 responses)**

All 3 Councils
All bordering councils
All Councils
All councils, water authorities - TasWater, aquaculture farms, any factories in immediate surrounds
All local governments with estuary frontage
Councils along estuary
Council and community groups. Maybe work for the dole programs
Councils and everyone using it, especially ships, boats
Councils located on the River's boundaries. Businesses and sewage treatment plants should do as CCC does with their grey water to Coal Valley.
Derwent Council along with Boyer (paper mill) and the Estuary committee (if there is such a thing) with some help from Green Corp if they are still around
each council should look after its area, but this should be overseen by a larger body with collaboration to unify the process
Easy answer is local council BUT; - TasWater are responsibilities for human sewage outfall. - local council for local waterways but is TasWater responsible for storm water? - State Government for underlying issues such as heavy metals which were probably sourced for the

Zinc Works
Every Council has financial resources
Everyone, but I guess the council are the ones who clean it up
Glenorchy council- tip fees too high. People will end up dumping
Governments (local and state) and industries need to work together to solve this
I don't think the protection of the river falls to one council in particular. The water in the river passes through many municipalities. Responsibility lies with all municipalities.
Joint effort between surrounding councils
Local council and recreational users (where possible)
Local councils on Derwent
Local councils on River
Local councils, as they have workforce and resources to clean up
Local, state, federal governments. All community members
Mainly councils are responsible
Many areas of councils
Minster for environment
Tas water marine board government
The council's should be responsible for their own areas.

**Government – general (54 responses)**

All forms of government
All Government departments
All Governments
All levels of governance play a lead role (as well as communities and individuals. We should not be looking for ways to attribute responsibility, but rather looking at ways each area can contribute. eg. Clarence's role with the marina and public usage from its shores
All levels of government and the people who use it
All levels of government so no one passes the blame
Environmental health, Local Councils
Fisheries
Government agencies as it is there for all to enjoy
Government at all levels and we the public
Government protection/monitoring
Government, special department
Government: all levels
I think that it should be all levels of Government working together with the community to ensure that any issues that could affect the health of the estuary to decline, stop these issues and then educate and ensure that we do not repeat these mistakes
Mixture of different government departments
Relevant Government bodies

**Community and related (112 responses)**

All/everyone
All locals
Every Tasmanian
Everybody should take some part weather it's just not littering when you usually would it still helps and still builds towards issues being solved.
Everybody's concern as responsible citizens
Everyone. Community participation is so important
Everyone in various areas. Probably council led initiatives.
Everyone, and supported by an higher office
Everyone, Council, dedicated environmental agency
Everyone. Businesses on the Derwent, users etc.
Everyone. Including the council. But mostly the council as that's what our rates should be going to

Everyone. You can't put all the responsibility onto the councils. But they do have a part in trying to prevent pollution
General users of the area
I think everyone should play a part in keeping the Derwent Estuary clean and free of rubbish. I do believe that council can do more to help maintain the Derwent
In general, the community
Individuals have responsibility to do own little bit, for example deal with rubbish properly
Locals, scientists and politicians
People that live in the area but that won't happen sadly so council as ratepayers are paying for it
People who own it
People who use it
Recreational users
The people of Hobart
The public and councils
the public, local and state governments
Ultimately everyone. Most people would say it the council's job

**Federal Government and related** (24 responses)

Commonwealth of Australia
Federal and local governments could work together
Federal council
Federal government
Government at federal, state and local levels, programs to include the public in its protection and care
National Government
Some federal government funding

**Industry** (12 responses)

A combination of the large companies and the State Government with Federal Government assistance.
Businesses
Industries and businesses that contribute to declining/poor health of the river should primarily be responsible, but so too should regulating bodies who should ensure compliance with environmental protection policies
Zinc works, industry

**Other** (29 responses)

A body that can call on funding and expertise
Boat users
Central body that Councils work with together would be needed, don't know who
Don't know; a separate authority would help
Environment people
Environmental groups department
Every organisation
Everyone that is in a position too.
Harbour board
Local community groups
Marine board
Police
Port of Hobart
Separate entity coordinated and endowed by the State Government. Western Australia's Swan River Trust is a good example of how an independent entity manages use of the river. Stakeholders from Greater Hobart LG's, TasPorts, industry, and environmental groups.
Sewerage plant operators
Tas Ports. Maybe Tas Water as well?
The police in regards to criminal activity. Get the mayor involved more!!

**Derwent Estuary Program (4 responses)**

DEP (doing great job)

**TasWater (17 responses)**

I believe TasWater are responsible for the asset management of the sewer and stormwater infrastructure. Apart from that I think everyone living in the area or running an industry / business in the area has a responsibility to follow the rules and protect the cleanliness of the river.

State Water Board

TasWater (12 responses)

Water authority

Water board should be accountable

Water board, council

**8a. Have you heard of the Derwent Estuary Program?**

<b>Table 8ai</b>	<i>frequency</i>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>Yes</b>	20	20	22	16	11	7	96
<b>No</b>	69	59	52	75	38	15	308
	89	79	74	91	49	22	404

<b>Table 8bii</b>	<i>(%)</i>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>Yes</b>	22.5	25.3	29.7	17.6	22.4	31.8	23.8
<b>No</b>	77.5	74.7	70.3	82.4	77.6	68.2	76.2
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 7bii</b>	<i>(%)</i>	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
<b>Yes</b>	28.3	32.8	18.3	19.6	5.3	27.3	22.7
<b>No</b>	71.7	67.2	81.7	80.4	94.7	72.7	77.3
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 7aiii</b>	<i>(%)</i>	<b>2007</b>				
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
<b>Yes</b>	10.3	12.5	27.5	19.5	10.0	16.0
<b>No</b>	89.7	87.5	72.5	80.5	90.0	84.0
	100.0	100.0	100.0	100.0	100.0	100.0

## Cross tabulation by age group

<b>Table 7aiv</b>	<b>(%)</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>Yes</b>	20.5	22.4	28.2	23.6
<b>No</b>	79.5	77.6	71.8	76.4
	100.0	100.0	100.0	100.0

<b>Table 7aiv</b>	<b>(%)</b>	<b>2013</b>		
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
<b>Yes</b>	23.3	25.6	18.5	22.7
<b>No</b>	76.7	74.4	81.5	77.3
	100.0	100.0	100.0	100.0

## Cross tabulation by household type

<b>Table 7av</b>	<b>(%)</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>Yes</b>	26.1	22.2	23.8
<b>No</b>	73.9	77.8	76.2
	100.0	100.0	100.0

<b>Table 7av</b>	<b>(%)</b>	<b>2013</b>	
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
<b>Yes</b>	22.0	23.0	22.7
<b>No</b>	78.0	77.0	77.3
	100.0	100.0	100.0

## 8b. What do you know about the Derwent Estuary Program?

## Clarence

A local and State Government partnership, monitoring and reporting
Beach watch
Christine Coughanowr used to be in charge. They undertake testing and education
Cleaning up river
It was set up to monitor the health of the entire River and its sources
Just by name/not much (9 responses)
Just that a group is monitoring it
Not a lot, clean ups around the foreshores
Not a lot. Cleaning up the river.
Not much. Lobbying
Not very much. I believe the stakeholders are local councils and TasWater and others.
Pains in the neck
Run projects to help protect it and restore it.
Test the water: that's it.
Work for council so briefed recently



**Hobart**

Attempting to resolve the pollution problem
Been around for about 20 years. Established to focus on improving the Derwent Estuary. Local and State Government run
Clean up- more schools make it fun
Did volunteering at Botanic Gardens and heard about it there
I participated in a research group
It conducts monitoring each year and publishes a State of the Derwent Report
It's trying to rehabilitate the Derwent Estuary
Just by name/not much (7 responses)
Looks after the best interest of our waterways and clean-ups
Not much - just know the name - concerned with river health (maybe)
That research was funded by MONA and UTAS to conduct water testing for the DEP
Water monitoring, result analysis
Water samples being taken, urinating into a cup at MONA about 7 years ago. Caravan was there. Mercury in the Derwent: David Walsh wanted to eliminate.
Water testing
Working well to monitor and clean up the estuary

**Kingborough**

A friend is part of it
Clean ups and fight for cleaner river
Do sampling of the water
Formed 15 years ago, reporting on state of River health
Groups of businesses and government monitors and puts efforts to clean it up
It monitors water quality and reports this to councils
Just that they report on the water quality
Monitor the water
Monitoring takes place. People trying to improve situation
Just the name/not much (5 responses)
Only that they give warnings about dangerous swimming conditions
Only what I have heard through the UTAS programs and research. That local and state government are working on a number of programs including storm water, litter control, beach health, and water quality.
Puts out reports for the Derwent
Seen Christine C. on TV speaking on issues re handfish
There are discussions going on at the moment to improve the health of the estuary. Not sure if too much has been done!!
They monitor water quality and species
They organise a few community events but not sure which ones
Water testing

**Glenorchy**

Attempt to gradually clean up the river by limiting the waste, rubbish and pollution which goes into it
It monitors the health of the river
Looks after the river with erosion and run off
Mainly around water quality and closure of beaches due the poor water quality/health precautions.
Monitors water quality in Derwent Estuary
Just the name/not much (4 responses)
Saw a paper on it- state of the Derwent
Studies to control and clean it

Study and care of DE. Arts projects as spin offs
That it is run by the Greater Hobart councils and State Government, existing since the 1990s (?).
They are measuring and testing the water for changes but also identify what's happening and recording. Clean up of rubbish.
They are very active in trying to improve the health of the estuary
Work with councils, programmes, talks etc.

### Brighton

It provides details in regards to improving the estuary and allows input from the community
It's a great idea and I do know they need to publicise it more. I know people in the area that doesn't even know what the estuary means. Promote it better, get the bored children involved!!
Just that they are trying to improve water quality, and sea life
Mainly focuses on water quality monitoring of the Derwent
Not much (2 responses)
Not very much apart from it is a group endeavouring to repair the damage to the river
Only what I have read on Facebook
Program designed to improve the health of the Derwent and educate the public about it.
Trying to clean it up with replanting natives
Water testing. Catch the run off.

### Derwent Valley

Heavy handed approach towards residents in regard to weed removal on private land.
Ineffectual in regards to weed removal on banks of estuary
No knowledge, just the name (4 responses)
Provide activities to help clean up the river
Weed cleaning program when younger

**8c. Which of the following DEP activities are you aware of?****Yes responses**

<b>Table 8ci</b>							
<b>(frequency)</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Beach Watch	12	9	13	12	6	5	57
State of the Derwent reporting	13	15	17	11	4	6	66
Monitoring programs	13	18	17	10	8	5	71
Seafood Safety reporting	12	10	14	8	6	2	52
Walking track promotion	11	6	7	6	6	4	40

<b>Table 8cii</b>							
<b>% of total</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Beach Watch	13.5	11.4	17.6	13.2	12.2	22.7	14.1
State of the Derwent reporting	14.6	19.0	23.0	12.1	8.2	27.3	16.3
Monitoring programs	14.6	22.8	23.0	11.0	16.3	22.7	17.6
Seafood Safety reporting	13.5	12.7	18.9	8.8	12.2	9.1	12.9
Walking track promotion	12.4	7.6	9.5	6.6	12.2	18.2	9.9

The following was read to respondents who had little knowledge about the Program, or who had not heard about DEP.

**The Derwent Estuary Program was established in 1999 as a not-for-profit partnership between the State government, local councils, businesses and the community to help restore and protect the Derwent Estuary. Since its inception, the Program has been actively working towards the objective of a clean and healthy River – with regular measuring of water quality, and actions to reduce the amount of pollution entering the River.**

**9. Thinking about the aim of a clean and healthy Derwent Estuary, how do you think the local community could become more involved?**

**Summary table**

<i>Table 9i</i>							
(frequency)	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Education, more awareness of actions	16	19	20	15	9	2	81
Clean-up days	26	19	17	24	12	5	103
Community groups	12	4	3	4	4	1	28
Awareness of littering	19	16	25	30	16	6	112
Local councils	1	1	8	6	2	1	19
More about DEP	4	7	4	7	2	2	26
Everyone's responsibility	5	4	2	7	2	4	24
Schools involvement	10	9	3	6	4	1	33
Other	17	17	7	16	11	5	73
<b>Total</b>	<b>110*</b>	<b>96*</b>	<b>89*</b>	<b>115*</b>	<b>62*</b>	<b>27*</b>	<b>499*</b>
Nothing specified	13	9	4	9	2	1	38
Not community's problem	0	0	0	0	0	0	0

\* multiple responses

<b>Table 9ii</b>							
<b>(%)</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Education, more awareness of actions	21.1	27.1	28.6	18.3	19.1	9.5	22.1
Clean-up days	34.2	27.1	24.3	29.3	25.5	23.8	28.1
Community groups	15.8	5.7	4.3	4.9	8.5	4.8	7.7
Awareness of littering	25.0	22.9	35.7	36.6	34.0	28.6	30.6
Local councils	1.3	1.4	11.4	7.3	4.3	4.8	5.2
More about DEP	5.3	10.0	5.7	8.5	4.3	9.5	7.1
Everyone's responsibility	6.6	5.7	2.9	8.5	4.3	19.0	6.6
Schools involvement	13.2	12.9	4.3	7.3	8.5	4.8	9.0
Other	22.4	24.3	10.0	19.5	23.4	23.8	19.9
Nothing specified	17.1	12.9	5.7	11.0	4.3	4.8	10.4
Not community's problem	0.0	0.0	0.0	0.0	0.0	0.0	0.0

<b>Table 8iii</b>	<b>2013</b>						
<b>(%)</b>	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Education, more awareness of actions	31.4	40.4	35.2	28.3	25.7	27.8	32.6
Clean-up days	29.4	33.3	24.1	43.5	40.0	38.9	33.7
Community groups	11.8	12.3	11.1	10.9	17.1	5.6	11.9
Awareness of littering	5.9	15.8	16.7	17.4	20.0	11.1	14.6
Local councils	5.9	3.5	3.7	2.2	0.0	0.0	3.1
More about DEP	3.9	10.5	14.8	4.3	5.7	5.6	8.0
Everyone's responsibility	27.5	15.8	16.7	17.4	22.9	27.8	20.3
Schools involvement	2.0	3.5	1.9	4.3	5.7	5.6	3.4
Other	9.8	12.3	16.7	4.3	11.4	11.1	11.1
Nothing specified	13.7	12.3	11.1	15.2	5.7	22.2	12.6
Not community's problem	3.9	0.0	0.0	6.5	2.9	0.0	2.3

**Clarence**

A volunteer day to help and provide items to collect rubbish
An annual clean-up day combined with activities for families
Be educated
Beach watch: picking up rubbish off beaches
Being mindful of what they put in drains.
Better communication. Public events/concert to raise awareness
By educating local communities
Clean up days
Clean up days along the foreshore. Rubbish bins provided in more locations.
Clean up days, get schools involved
Clean up days. Individuals pick up rubbish. Plant plants around beaches and dunes
Clean up days. More volunteers involved, encouraged by Councils
Clean up days. Need to be made aware of it (DEP). Individuals: dispose of waste properly
Clean up days. Stop polluting plastics. Be aware of how to dispose of rubbish
Clean up groups. Everyone should be responsible for their own actions
Cleaning foreshores up
Community meetings / clean ups
Community needs greater knowledge of program. Need more community awareness
Community needs to be aware. Everyone needs to not pollute
Contributing to regular clean-ups
Early education programs in schools. Regular community gatherings and fundraisers. Transparent posting of health results. more marketing including local newspapers, TV, radio and social media
Education and more awareness. Funding, community visits. Volunteering
Education of people, biggest polluters. Clean up days, encourage volunteers. Point of difference and incentive
Education: TV ads, radio ads
Events that attracts young kids to teenage. Get everyone involved
Find out more about the program. Join events. Individuals pick up rubbish off foreshore areas
Get more high schools involved in Derwent clean ups and water testing.
Good education to make people value it more. Storm water: greater focus: legislation, more funding
Have days where people can volunteer to help out.
Have regular "clean up" events for local community with councils as well as ensuring litter traps are installed on all storm water and other outlets
Helping to clean up around beaches and river. Become more active in recycling and not dumping rubbish
I feel that there needs to be more micro ways to engage people, that need to be focused on light engagement (i.e. limited time and cost to engage - otherwise you'll only attract those who would be involved anyway) Find ways to create iterative involvement or team involvement. Hands-on work generally the best. Another idea to supercharge these Programs is to find ways for meaningful mutual benefit. Consider something like a council rebate (small) on rates for those that are actively involved and achieve positive outcomes for the program.
Individuals can pick up rubbish
Individuals look after your own area. Control your dogs
Keeping it clean, don't litter and maybe more clean-up the Derwent day... shouldn't have to if everyone was responsible but would be a good idea, bit like Clean Up Australia.
Landcare groups. Promote clean ups more often.
Less pollutants from houses: garden spray, car cleaning chemicals

Less rubbish in the waters Clean fuel in motors
Local clean up days
Local clean-up days, similar to "clean-up Australia" day etc..., build community events around/adjacent to it
Local initiatives to participate in clean-up activities. Be better informed about the current water quality including what the results mean for swimmers / fishers etc. opportunities to quickly and easily report issues of environmental concern or have questions answered. Information about what to look out for as signs of good / poor management of the Derwent environment.
Local working groups. more publicity of the programs achievements
Look to involve schools and other community groups
Market and advertise monthly volunteer programs for the locals to get involved. Have a pick up rubbish day. Involve social media to promote. Engage local schools to plant trees. Get Bonorong Wildlife Sanctuary involved with information on our native wildlife.
Maybe have community days to assist with cleaning the estuary
More awareness
More clean up days, more publicity, much more needed
More education broadly
More education published in Council and in the Mercury editorials.
More people in the clean-ups being involved. School children being educated on it
More signage and maybe holding events in the areas
More signs and education generally. People are too busy. TV ads would be good. News segment
Need more places for rubbish disposal. Need new beach recreation areas. Re plastics: more community awareness needed of end result.
No rubbish dumping, no boat water pollution
Not pollution or littering being responsible
Not put stuff in stormwater so it doesn't flow into the river. Not dropping rubbish anywhere and using appropriate bins. Not dropping stuff in the river
People could join local community groups if they're keen. They could vote in a government who actually cares for the environment.
Probably more publicity re the organisation would help. More updates re the state/ health would be good (perhaps they exist and I have ignored them?). Making sure I/we don't put things down the drain that will harm the river (eg paints, oils etc.)
Providing more bins and have a better collection service. Have a body checking more commercial business who release pollutants into the river and water data
Put rubbish in bin.
Raise more awareness to the current state of the Derwent and ramp up communications to general public to notify people the issues and what local community members can do assist.
Rubbish removal around roadways to prevent rubbish entering storm water drains.
School programs, local incentives, awareness campaigns
School projects: get the kids involved. Join local groups, volunteer groups
Start using ferries: solves traffic problems. Also promotes people's appreciation of the Derwent
"Take 3 for the sea" is a good one.
The findings of the reports should be sent to the houses in the area so they all know. Then, they might help
things like reduced weed killer in gardens, and picking up rubbish
Through community clean-up campaign, regular involvement with schools, placing clean up bags and bins for people to carry and clean up like the dog poo bins
To have more information and gets kids or school groups involved
To support irrigation scheme to divert water for agriculture purposes
To try more to stop the human waste for going into the river
Volunteer

Volunteer to help the DEP
We can clean up local beaches, be responsible for own rubbish
Work with the users and provide access to grants to enable a cleaner river from larger clean-up projects to individual grants for boat owners to convert their pump out toilets to holding tank or composting systems. Assist boat users by providing more access to pump out services for moored boats

No response = 13

## Hobart

Advertise this better
Advertising. Networking. Awareness
Awareness. More political pressure on governments to ensure less pollution
Be more aware of Storm Water Pollution, have local clean the shoreline days in various areas
Be responsible for your own actions
Better communication to start with, combination of newspaper and social media. More funding.
Better communication to the community about program and actions
Better feedback about any progress it has achieved.
By being more careful of rubbish disposal, including cigarette butts
By not using the river to throw their rubbish in or use it as a toilet
Checking the health of the river for the Derwent estuary. Education
Clean up the foreshore and litter traps in the rivulet
Clean up. Educate people
Clean ups. Picking up rubbish. Teaching your children to do the same.
Cleaning days.
Communication- needs to be more advertising on social media maybe about it. Signage, more signs put up
Community groups organising clean up days
Community science projects. More broader release of results, newspaper.
Community scientists - assisting in measuring and assessing quality. Participate in activities to clean up the river
Competitions on collecting litter - win a prize. "Show days" that demonstrate the water testing - what good water looks like versus bad water. School programs that educate about the types of animals that depend on the estuary
Could have organised clean ups and revegetation programs. Promote volunteering for these regular events
Create, if there isn't one already, a "Friends of the Derwent", contributing with clean ups, monitoring fundraising, educating the public, etc similar to friends of Knocklofty, Botanical Gardens etc. Could create a network of all groups associated with the river eg boating, sailing and aquatic groups, fishing, environmental, sea scouts, etc could also advocate for cleaner Derwent
Educating how they can help
Events like Clean Up Australia, to raise awareness.
Every person is responsible. Keep the mess out of our river
Get rid of single use plastic, fast food containers, stop cigarette butts being washed into the river. Put a deposit on all drink containers, and have more events like clean-up day
Improve our waste disposal habits
Individual effort. Be more responsible
Information days at various locations; community education programs in schools; volunteer programs



It depends upon what needs to be done and which can be done by local communities. Involvement by creating Friends of the Derwent groups can raise awareness of issues and educate people about our own impacts (litter, pets..) by having litter collection days but also involve in monitoring water quality - people get inspired by doing a bit of science- invasive sea star collection events etc; and inspire the feeling of caring by linking to how it helps the extraordinary life within the Derwent including the hand-fish, whales,....
Less rubbish
Local clean up. Greater education. Better sewerage management
Minimise rubbish, plastic free lifestyle
More advertising of results and activities to make community more aware of their responsibilities
More awareness and engagement; identify as a priority
More awareness is important
More clean up days organised
More clean up days. Media promotions, encourage volunteering, especially teach in schools
More clean up groups
More clean up groups but people are time poor
More clean-up programs but every individual should be responsible for their own actions
More higher profiles of organisation that support a healthier Derwent River. School kids involvement more
More information about the program and possibly ways of helping
More information to be available for groups, for example land care groups. Information in schools. Individuals join clean up days
More information to those who live in the area about particular issues and what is needed to address them would help.
More media coverage and incentives to participate in the programme
More regular clean up days organised and promoted for people to be able to join in the clean ups
More transparency of what the health of the river is (online dashboard), fundraising activities, better identification of project areas
More wide-reaching marketing. For example, utilise social media more effectively, hold public information and education sessions, perhaps that involve activities to improve the health of the river
Must present the issues to the community to recognise value of the river. Direct efforts to younger generations to be responsible
Occasional community clean-ups, more advertising
People have to control littering in the foreshore areas and waterways
People on yachts throwing rubbish into the river
Personal awareness of consumer choices and personal disposal including cigarette butts to be more responsible
Picking up litter
Publicity needs to be given to the state of the Derwent Estuary, including good news of improvements.
Put pressure on State Government and local councils to be transparent releasing test results and educating us on progress or what we can do to help
Refuse clearance from shoreline
Run off problems, more rubbish traps installed, cleaned and emptied and maintained. Plant more vegetation to soak up sediment
Signage. Schools education in the area
Taking samples and investigating these in classrooms; reporting debris, wash-up or unusual elements sighted around the Derwent; being careful of the waste that ends up in gutters and therefore the Estuary.
Target school programs to educate how important waterway health is. Get kids involved
There needs to be more publicity on the DEP, to help raise more awareness of what needs

to be done
They can't, as government and council ignore locals and are only interested in tourists
To ensure it is regarded as a priority issue at local elections and that the Derwent Estuary Program gets sufficient funding to educate individuals and businesses about how to clean up the river
Undertake regular inspection for water quality
Volunteering for clean-ups on foreshore and river, e.g. Clean Up Australia Day. Clean ups can be organised more regularly as is done in Adelaide
Waste pick up. Rubbish collection
Working with schools, businesses and community groups, especially on KAB Day
Would like DEP to co-ordinate between with local groups such as the Cornelian Bay Boat Shed Association. We looked for a contact to help with our environmental and management concerns for Derwent Estuary but didn't find out about DEP.

No response = 9

### Kingborough

Aware of what we put down our drains and in the gutters
Awareness campaigns. Write letters, attend meetings, get involved
Awareness raising, and everyone being conscious of not polluting.
Awareness. Signs, stencils put up about what not to do
Be more responsible, clean up after yourself
Be pro-active! The council needs to put measures in place to reduce the amount of waste being deposited and be transparent with the community. I am not sure there is too much the general public can do to help without the direction of the powers that be.
Become more aware of issues. Use "citizen science" and individuals can be hands on which is much for effective engagement
Being able to report any concerns via an app, website, etc
Being made more aware of how they can help. Community news, social media etc.
Being made more aware of our current issues, meetings, advertising etc. Being told how we can help as a community
Bringing it to the fore all the time. Told what they can do by the appropriate authority as to how to go about it
Clean up after themselves
Clean up programs, planting of flora. Interactive consultative forums with decisions being made between people and council
Clean up rubbish after yourself
Committee to work out problems and stimulate community involvement- pollution
Could find out more about the DEP. Bumper stickers on cars to raise awareness
Disposing of rubbish properly. Schools: get children involved
Don't litter on the beaches or streets, be responsible for getting rid of toxic waste, recycle plastic bottles and plastic bags. Have monthly clean-up rubbish days
Each individual is responsible. Shouldn't be up to groups
Education and awareness programs. Litter clean-up, possible sponsorship of specific programs, involvement in the project.
Education needed for community, focussing on results of pollution from waste and individual actions
Fundraisers and clean ups
Give prominence to instances of diseases related to swimming in the Derwent, to raise awareness of water quality issues, where they occur and when
Have better and more education waste/recycling practices.
Help with rubbish collection in and around the area

House owner responsibility with pipe errors plus support for them, testing to assist
Increase their understanding. Advocate who is responsible
Individuals pick up rubbish
Kingborough council? Clean up
Littering on streets and gutters goes straight into the Derwent Estuary. Focus to reduce littering, for example harsher penalties on littering. Harder to get change in adults behaviour, kids seem better informed.
Local council clean ups
Local councils should show better direction and local council representatives need better training. Council needs professionals advice
Locals could clean beaches, picking up rubbish. Clean up days. Planting trees to avoid erosion. Raise awareness
Locals could report problems when they see them. Join community groups
Making sure people on boats are doing the correct thing. Be more responsible for rubbish
Making sure rubbish is disposed of properly so as it doesn't get into the waterway
Managing litter education, weeds, removing vegetation
More aware of rubbish, what's going down the drains, gutters etc.
More beach clean ups that are organised by DEP
More clean up days to involve more. More publicity needed for events people
More clean up days. More catchment points to prevent rubbish washing in. More testing to identify sewerage leaks
More clean up groups
More clean up the coast organised activities, greater communications, bigger fines for pollution, faster responses by Council / government when issues are identified
More education on waste control
More local engagement programs. Awareness of peoples impacts through knowledge and information sessions. Clean up days in local areas.
More promotion needed for clean-up events
More supervised community clean up campaigns. Prisoner work groups (under supervision) on work orders
Not littering
Not littering
Notified, having more transparency of what's going on around the Derwent. Being provided more information.
People aware of pollution, they could change their habits. Education
Personally responsible for rubbish. More education for children, more TV ads like in the '80s picking up rubbish, watch what you tip down the drain
Provide education: what's happening within estuary and with the program
Public being more guided on ways to help
Reduce plastic use,
Regular clean up days like Uni Dive club, private and government funded
Regular clean up days, and education improved, more awareness: ads and education
Regular monitoring and cleaning by local council
Report any contamination to local council
Report any pollution they see
School programs
Start at grass roots levels
Take care of your own rubbish
Take responsibility for our rubbish and where it goes. Council campaign could help. Sewerage treatment, stormwater into the Derwent Estuary needs attention.
There could be sub groups of the programme - Kingborough, Clarence etc - that areas can join to perform projects on a local scale - more litter collection, pest and weed management to name a few

Thinking more about what they put down their drains, residential and commercial and farm run offs
To be more responsible with personal rubbish.
Volunteer days
Volunteering, clean up days every few months

No response = 4

### Glenorchy

A good social media campaign that would encourage people to get involved. Possibly including incentives for people to become involved or have community days where a bbq or kids entertainment was provided to encourage families to attend
Advertisements regarding effect of different things on the river. An annual event showcasing how to care for it better
Advise more
Annual clean days- collect more rubbish
Be conscientious about rubbish disposal.
Be responsible for your own actions
Being more proactive about protecting what we already have
By educating and awareness
By not dumping rubbish that can wash via storm water into the river prevent oils and other pollutants entering the river system. encourage more wetland development
By putting rubbish in the bin and not in the rivers
Clean up after yourself. More Scout groups involved.
Clean up days
Clean up days more often
Clean up days to clean up the litter along the river banks and in the water. Involve schools in monitoring the water quality.
Clean up days, more signage and rubbish bins around estuaries
Clean up days.
Clean ups along river banks. Not dumping litter, or permitting litter to be wind-blown. Stopping their dogs defecating near the waterways.
Cleaning up after themselves. Getting rid of ferals. Investing in new technologies that capture run off and rubbish. Monitoring and reporting
Community clean up days ie Clean Up Australia Day events could be held with a sausage sizzle or some kids entertainment for afterwards
Community could rally the Government to allocate more resources. Involve the community. Work with local boaters to look out for things potentially harming the estuary
Could have more clean-up the banks of the river days. I'm not really sure
Council could do more in clean-ups etc
Council should do more clean ups
Don't put bins out on windy nights when they just get blown over, rubbish goes everywhere, gets into stormwater and presumably into Derwent. Ban leaf blowers. Use vacuums instead. Clean up areas like Glenorchy Rivulet near Northgate and other areas where people dump rubbish more often. I think there are volunteers involved in spot clean-ups but there could be more of them - somehow encourage more volunteers - workplaces?, Council involvement?
Dumping of waste
Educate the children - visit schools, do a talk. Organise some clean-ups, bring along Mum and Dad and give bags and gloves. Give them more knowledge on effects of littering in a practical way as a way of prevention
Education

Education - and more bin collections
Education in schools. Schools could help
Encourage volunteering for rubbish clean-up. Community clubs - contact their for support and assistance
Enjoy the river, respect it, help clean up their own patch
Events and activities for families: fun and educational
Family days including clean ups and barbecue
General monitoring of littering
Getting rid of single use plastics. Local Councils working with householders waste management. Glenorchy Council weekly rubbish collection in summer, and need a Green Waste collection, and kerbside Hard Waste collection.
Getting the program more exposure. Local council initiating incentives to draw locals with clean up days with bbqs local radio celebrities etc
Have frequent clean-up days that we can join, involve us in volunteering to help with this program, better education and local awareness of how our polluting harms the Derwent; paint signs on street storm water drains that rubbish washed down the drains goes directly into our river.
If everyone picked up after themselves it would be cleaner
Individuals being less selfish and being more community minded
Lobby State government or TasWater. Being more careful and mindful of rubbish and what is going into our oceans and rivers
Local councils should be monitoring pollution entering the estuary from creeks etc. I am appalled by some of our southern councils who don't even seem to have anyone overseeing environmental issues. Let alone anyone who cares about reports from locals when there are problems.
Local school clean-ups and interest from community groups, work for dole
Make the public more aware
making sure that waste is not put into storm water
Maybe advertise it a bit more for community awareness, Have a local working bee once a month.
Maybe the DEP needs to do some activities directly with community members and groups, like Rotary, walking clubs etc. Involve themselves in organising family activity and education days involving DEP and community groups
money back on all plastics purchased and heavy fines for all that pollute when rubbish is dumped the rubbish should be examined and recorded to so that dumpers will be caught and if councils sewerage is not up to the latest standards the problem should be fixed and charged to the tax payers or stop sewerage from entering the river completely
More awareness and education about contributing factors and info about how they can help as a community with the restoration of the estuary.
More awareness of the program would help, however I feel the working population are already very busy. Perhaps those on the Centrelink payment (Dole for example) could be utilised in these such programs.
More awareness, hold community fund raising that involves activities with estuary... Fishing, rowing etc. Localise events so it is community based - have one in Lindisfarne, Howrah, Glenorchy etc
More bins along the walking tracks, incentives for recycling and heavier fine for people who litter
More clean-up days. Incentives to pick up rubbish
More clean-up programs
More clean-up programs
More clean-up days - community getting together to gather rubbish from foreshore. More signs 'do not litter' on highways, foreshores. More public rubbish bins
More people working for the dole should be put to work more in keeping our beautiful state clean. And get the ones in prison wanting to help - let them

More promotion of the program via council newsletters/papers
Open days to be involved in rubbish collecting at beaches, waterways, rivers. Input in how to help keep our estuaries clean
Organise tours led by community members who have knowledge of the history/features to make people care
Participants of cleaning up. Understand and awareness
Pay more attention to dumping of rubbish
People don't care enough to acknowledge others. Have not experienced a good community spirit
People on work for the dole could help clean things to earn their pension
People should take pride in their environment. Up to the individual not others cleaning up after them
Promote the program for a start; I doubt that many people even know about it.
Public awareness campaign for kids in schools about DEP. More regular clean up working bees.
Relocate the zinc works
Report unusual rubbish dumpings, or things out of the ordinary
Rubbish removal/collection, reporting of pollution by individuals and companies.
School involvement and having local councils have higher fines for Damages to Derwent estuary
Signs with a number to ring if you see someone littering. More rubbish bins on streets. Reduce tip fees - provide free tickets to go to tip, say twice a month
Simple things like more rubbish bins might help - heavy fines for those caught polluting and strict management and maintenance
Stop littering on the shores (cans, bottles etc) generally. Education from families and schools to help young people be more responsible. Report and look out for injured wildlife in water. More care with wash from power boats near banks. Maintain and replace stormwater from private properties in Derwent Valley generally.
Stop littering, watch what goes down the drain
Stop littering. Watch what chemicals and fertilisers are used in gardens. Watch what is flushed down into the drains
Talks, tours and volunteer days
To be made more aware, opportunities to attend info sessions and to provide input
To not litter do the right thing
Volunteer in local clean ups every 2 months. Encourage people to reduce waste and recycle.
Volunteer on the clean-up days.
Volunteer our time and take care of the environment.
Work for the Dole scheme, prisoners on work orders could assist clean up around the DE foreshores and streetscapes nearby

No response = 9

### Brighton

Activity days
Advertise on social media and also maybe a door knock or letter drop to let everyone know that there is a Derwent Estuary Program to help get more people on board to help maintain
Ask opinions of public. More independent views and opinions to fix it
Be better informed about who to contact if they see something that needs addressing, environmental issue
Be careful about what goes down the storm water drains. Have clean up days. Don't litter.
Be more responsible for their own environmental foot print. Waste, over fishing, removal of

natural drift wood, and damage of sand dunes and natural grasses and plant's to strengthen the shore lines
Becoming a community
Being careful of what goes into the river. Get rid of black swans as they pollute the water
Bridgewater Tip is too expensive and not open often enough so dumping is more likely as people can't afford tip fees. Could it be subsidised by Council or have vouchers or extra hard waste clean ups with Council?
By being aware that all of the rubbish washed from the roadways eventually ends up in the waterways
By collectively being proactive by not putting any liquid waste (paint, oils and detergents) down drains.
Clean up days. Put rubbish in bins. Be more careful with how to dispose rubbish
clean up more often, add more rubbish disposal bins along the walking paths
Clean up rubbish when walking near the river. It is simple to carry a bag and put rubbish in as you walk. Also people should be more aware of the need to clean up after their dogs defecate
Clean up. Replanting trees
Clean ups around the foreshore. Not a great deal they can do.
Clean-up days, free bbq on the day maybe or maybe we should get a recycling bin to but our empty plastic bottles in and get cash for them you would be amazed the kids would love getting it earning a \$\$\$ to spend at the shops
Come together as a group to clean up. Every person should be responsible anyway
Community needs to be made aware about programs, including DEP
Consultation with businesses and sporting groups and perhaps scout groups etc
Day in the year to promote the program, pollution awareness. Bigger fines. More funding for rangers.
Days with events, involving the community more to make the Derwent a safer place to swim in etc.
Do not allow storm water or sewerage to enter the river, slow vessels in the river to prevent river bank erosion and increase the flow of water down the river to flush it out Hydro schemes
Establish community working groups, local clean up activity, education programs through schools by volunteers
Every community needs to do their bit for the Derwent Estuary, as well as polluters. Focus should be on educating younger generations of importance of putting waste in bins, protecting the environment in the Estuary
Field days where the community attend and learn what councils, businesses and State Government is doing to combat issues and what they can do to assist.
Further communication, updates on the immediate environmental threats to the subsidy and monitoring
Get a team of youth workers or PCYC and gather some children that have become disengaged from school. Give them a responsibility and the younger generation will be the next lot to look after it all. Grab more volunteers.
Get together days
If they were better informed.
Keeping the foreshores clean and educate people to stop littering along roads etc.
Keeping the rubbish out of the River
Maybe implementation of a CCTV system throughout the whole of the Estuary to try and catch people doing the wrong thing. However, cost would be a concern and also monitoring of this system. Education is problem best form of encouraging local community to engage, especially at a primary school level. Maybe a competition to keep your area clean (similar to Keep Australia Beautiful) but with prizes
More knowledge and understanding of what their actions do.
More little clean ups around the Derwent and on the Derwent River by locals and tourists

Need to be aware of it
No dumping rubbish. Lobby local parliament member
Not throwing rubbish into the streams and drains
Organise BBQs or other activities to raise awareness
People would care more if there were activities like yoga on beaches, photography walks with professional guide, and permanent volley ball nets on beaches. Involve councils to set this up, or State Government agencies. Need more and larger rubbish bins near Bellerive Beach, it's often overflowing in summer. Bins at Kingston Beach not so much a problem.
Pick up the trash
Push to stop littering, it's very frustrating to see litter at the level it is when should be easy to solve this problem
Regular clean up days not just on clean up Australia day. Once a year doesn't work
Through local council initiatives
Through school projects.
Volunteer clean up days, visits to schools and lessons in water pollution etc
Work alongside the Government and Tas water. Send messages of awareness to big businesses.

No response = 2

### Derwent Valley

Better promotion
Boaties leave a lot of rubbish around New Norfolk boat ramp. Need patrol on rubbish
By being made aware of keeping the river healthy by changing behaviours of dumping rubbish from cars and ashtrays and household rubbish
By not dumping rubbish which happens as Council does not provide free landfill, so is costly to use.
Clean Up Australia Day
Cleaning up after themselves from fishing, swimming, boating etc on the foreshore and on the water
Drastic behaviour modification to reduce litter impact
Family days for all to be involved
Flood levels and dam openings so everyone can know
Have a once a year clean up around the River
Having clean up days. This could be organised via community groups. Also making the younger generation more aware
Helping by picking up any rubbish that is lying around. Don't just walk past it, but need more rubbish bins
If there is any litter on the ground it's as simple as picking it up and if everyone did this with what they see then there's only forward to go
Litter clean up days across the whole area
Local government can teach the kids in schools, and general awareness across all communities: brochures, education.
More clean up groups
More education about DEP. Individuals take personal responsibility, clean up days
More vigilant in regard to littering especially cigarette butts. Great promotion of the lifestyle along the estuary walking/cycling gives "ownership" to the community
Need more information about DEP. Encourage volunteers to engage in DEP
Petition to send to Governments: State and Council
Tips should be 'free'. People being more responsible

No response = 1



**10a. Have you noticed any Water Quality advice about swimming in the Derwent over the past 12 months?**

<b>Table 10ai</b>	(frequency)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	52	57	59	50	21	7	246
Unsure	10	8	5	12	8	2	45
No	27	14	10	29	20	13	113
	89	79	74	91	49	22	404

<b>Table 10aii</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	58.4	72.2	79.7	54.9	42.9	31.8	60.9
Unsure	11.2	10.1	6.8	13.2	16.3	9.1	11.1
No	30.3	17.7	13.5	31.9	40.8	59.1	28.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 9aiii</b>	(%)	2013					
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	66.7	78.1	81.7	58.9	60.5	50.0	68.7
Unsure	5.0	1.6	0.0	5.4	0.0	0.0	2.3
No	28.3	20.3	18.3	35.7	39.5	50.0	29.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Cross tabulation by age group

<b>Table 10aiv (%)</b>				
	18 - 39	40 - 59	60 +	Total
Yes	52.5	67.9	61.3	61.2
Unsure	13.1	10.3	9.7	10.9
No	34.4	21.8	29.0	27.9
	100.0	100.0	100.0	100.0

<b>Table 9av (%)</b>	2013			
	18 - 39	40 - 59	60 +	Total
Yes	55.6	76.1	72.8	68.9
Unsure	3.3	1.7	2.2	2.3
No	41.1	22.2	25.0	28.8
	100.0	100.0	100.0	100.0

## Cross tabulation by household type

<b>Table 10avi (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	61.5	60.5	60.9
Unsure	13.7	9.5	0.0
No	24.8	30.0	28.0
	100.0	100.0	100.0

<b>Table 9avii (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	67.9	69.1	68.7
Unsure	0.9	3.1	2.3
No	31.2	27.7	29.0
	100.0	100.0	100.0

**10b. Where did you see or hear that information?**

<b>Table 10bi</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	6	18	30	13	4	1	72
TV	11	13	10	11	8	4	57
Radio	15	15	8	15	3	0	56
Newspaper	24	21	28	24	7	4	108
Internet	19	10	14	6	4	0	53
Word of mouth	13	5	12	10	3	0	43
Other	3	4	5	2	1	0	15
	91*	86*	107*	81*	30*	9*	404*

\* multiple responses

<b>Table 10bii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	11.5	31.6	50.8	26.0	19.0	14.3	29.3
TV	21.2	22.8	16.9	22.0	38.1	57.1	23.2
Radio	28.8	26.3	13.6	30.0	14.3	0.0	22.8
Newspaper	46.2	36.8	47.5	48.0	33.3	57.1	43.9
Internet	36.5	17.5	23.7	12.0	19.0	0.0	21.5
Word of mouth	25.0	8.8	20.3	20.0	14.3	0.0	17.5
Other	5.8	7.0	8.5	4.0	4.8	0.0	6.1

## Cross tabulation by age group

<b>Table 10biii (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
Signage	35.9	28.3	25.0	29.3
TV	10.9	27.4	27.6	23.2
Radio	17.2	22.6	27.6	22.8
Newspaper	39.1	38.7	55.3	43.9
Internet	28.1	32.1	2.6	22.0
Word of mouth	28.1	18.9	6.6	17.5
Other	6.3	6.6	3.9	5.7

## Cross tabulation by household type

<b>Table 10biv (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Signage	31.3	27.9	29.3
TV	15.2	28.6	23.2
Radio	20.2	24.5	22.8
Newspaper	37.4	48.3	43.9
Internet	26.3	19.0	22.0
Word of mouth	26.3	11.6	17.5
Other	8.1	4.1	5.7

**'signage' responses**

At beaches (6 responses)
Blackmans Bay (25 responses)
Browns River
Cornelian Bay (4 responses)
DK
Dru Point
Errol Flynn Reserve
Glenorchy foreshore
Howrah
In areas on the foreshore near tracks etc
Inlet near Geilston Bay
Kingston (13 responses)
Long Beach (2 responses)
Lutana
Margate Bay
Near beach car-parks
New Norfolk Esplanade
Not sure where but it was a sign
Nutgrove Beach (5 responses)
Sandy Bay (15 responses)
Taroona
Taroona Apex Park
Windermere Beach

**‘TV’ responses**

ABC TV (20 responses)
Don't know (5 responses)
Foxtel show
Local (4 responses)
News - general (6 responses)
SBS
Southern Cross news (18 responses)
Win news (10 responses)

**‘radio’ responses**

100.9 (2 responses)
107.3 (7 responses)
Don't know (3 responses)
FM - the news
Various community forums
Local (7 responses)
HO FM (8 responses)
ABC (24 responses)
106.5

**‘newspaper’ responses**

Community newspaper
Community paper
Kingborough Times (3 responses)
Local Mercury
Local paper (4 responses)
The Mercury (88 responses)

**‘internet’ responses**

ABC news (2 responses)
Beach watch
Can't remember
Council Facebook
DEP emails
DEP Facebook
Derwent Beach health website
Emails sent to me
Facebook (25 responses)
Facebook- local councils
Facebook local group
Facebook news alerts especially about Kingston and Blackmans Bay beaches
Facebook notification from Council
Facebook pages for Howrah residents
Facebook: Kingborough Council
Government
Hobart City Council (2 responses)
I sought info on ABC online about water quality / hot spots re: contamination etc
Kingborough Council website
Mercury website (2 responses)
Pollution levels
Social media (6 responses)

**‘word of mouth’ responses**

Don't know (2 responses)
Everyone
Family (5 responses)
Friends (21 responses)
Locals (3 responses)
Most people say it is unsafe to swim or eat anything that comes out of the Derwent
Remarks made about the Derwent
Triathlon on Bellerive Beach, and schools

**‘other’ responses**

ABC phone app
Apps on mobile phones
Chalk advertisement, local businesses
Clarence High School advised students couldn't swim at the annual triathlon due to the water quality being unsafe.
Council newsletter
Facebook
Local news
Online- newspaper
Personally swimming at Bellerive, Seven Mile Beach
Take no notice of it
TasWater notification
What fishing to do- fish that can't be taken, Browns River
Word and mouth

### 11a. Have you noticed any Seafood Safety advice for the Derwent Estuary over the past 12 months?

<b>Table 11ai</b>	(frequency)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	22	21	34	30	21	5	133
Unsure	10	14	5	17	4	4	54
No	57	44	35	44	24	13	217
	89	79	74	91	49	22	404

<b>Table 11aii</b>	(%)						
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	24.7	26.6	45.9	33.0	42.9	22.7	32.9
Unsure	11.2	17.7	6.8	18.7	8.2	18.2	13.4
No	64.0	55.7	47.3	48.4	49.0	59.1	53.7
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 9ciii</b>	(%)	2013					
	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	65.0	70.3	66.7	41.1	65.8	27.3	59.3
Unsure	3.3	12.5	3.3	12.5	0.0	0.0	6.3
No	31.7	17.2	30.0	46.4	34.2	72.7	34.3
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

### Cross tabulation by age group

<b>Table 11aiv (%)</b>				
	18 - 39	40 - 59	60 +	Total
Yes	29.5	29.5	41.1	33.1
Unsure	12.3	12.2	15.3	13.2
No	58.2	58.3	43.5	53.7
	100.0	100.0	100.0	100.0

<b>Table 9cv (%)</b>	2013			
	18 - 39	40 - 59	60 +	Total
Yes	50.0	65.0	62.0	59.5
Unsure	6.7	3.4	8.7	6.0
No	43.3	31.6	29.3	34.4
	100.0	100.0	100.0	100.0

## Cross tabulation by household type

<b>Table 11avi (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	28.0	36.2	32.9
Unsure	14.9	12.3	13.4
No	57.1	51.4	53.7
	100.0	100.0	100.0

<b>Table 9cvii (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	60.6	58.6	59.3
Unsure	4.6	7.3	6.3
No	34.9	34.0	34.3
	100.0	100.0	100.0

## 11b. Where did you see or hear that information?

<b>Table 11bi</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	3	3	11	8	4	1	30
TV	5	5	4	6	6	1	27
Radio	5	4	4	3	5	1	22
Newspaper	5	8	13	12	6	2	46
Internet	7	3	6	3	6	0	25
Word of mouth	5	6	6	5	2	0	24
Other	4	1	7	1	2	0	15
	34*	30*	51*	38*	31*	5*	189*

\* multiple responses

<b>Table 11bii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	13.6	14.3	32.4	26.7	19.0	20.0	22.6
TV	22.7	23.8	11.8	20.0	28.6	20.0	20.3
Radio	22.7	19.0	11.8	10.0	23.8	20.0	16.5
Newspaper	22.7	38.1	38.2	40.0	28.6	40.0	34.6
Internet	31.8	14.3	17.6	10.0	28.6	0.0	18.8
Word of mouth	22.7	28.6	17.6	16.7	9.5	0.0	18.0
Other	18.2	4.8	20.6	3.3	9.5	0.0	11.3

## Cross tabulation by age group

<b>Table 11biii (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
Signage	27.8	21.7	19.6	22.6
TV	11.1	26.1	21.6	20.3
Radio	11.1	17.4	19.6	16.5
Newspaper	22.2	28.3	49.0	34.6
Internet	22.2	30.4	5.9	18.8
Word of mouth	33.3	21.7	3.9	18.0
Other	13.9	4.3	15.7	11.3

## Cross tabulation by household type

<b>Table 11biv (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Signage	22.2	22.7	22.6
TV	13.3	23.9	20.3
Radio	22.2	13.6	16.5
Newspaper	31.1	36.4	34.6
Internet	28.9	13.6	18.8
Word of mouth	24.4	14.8	18.0
Other	11.1	11.4	11.3

**'signage' responses**

At beaches or on the coast the public can access
Austins Ferry
Bellerive
Blackmans Bay (3 responses)
Brighton
Browns River, Kingborough (5 responses)
By the river in Glenorchy
Cattle jetty
City wharf
Cornelian Bay
Don't know (4 responses)
Esplanade- New Norfolk
In front of the CSIRO building
Kettering
Kingston (5 responses)
Montrose (2 responses)
Near Tasman bridge
Old Beach
On beach
Sandy Bay
Taroona



**‘TV’ responses**

ABC (8 responses)
Don't know (2 responses)
Local
news
News (3 responses)
News about Tasmanian oysters
Southern Cross (9 responses)
WIN news (4 responses)

**‘radio’ responses**

MMM
Local/news (4 responses)
7HO FM (3 responses)
ABC Radio/news (11 responses)
100.9
106.5
Don't know

**‘newspaper’ responses**

Department of Fisheries
Don't know (2 responses)
Kingborough Times
Local paper (3 responses)
The Mercury (28 responses)

**‘internet’ responses**

ABC (2 responses)
App on my son's iPad
Can't remember paper
DEP emails (2 responses)
Don't know (3 responses)
Face book - Fisheries
Facebook (8 responses)
MAST
On the computer; my sons look up info
Social media
Sportsfish Tasmania
The Mercury (2 responses)

**‘word of mouth’ responses**

Coal fishers advice
CSIRO scientists
Don't know
Fellow sailors
Friend - oyster farmer
Friends and fellow boaties
Friends/family (10 responses)
Local fisherman at the boat ramp
People talking about it
People that fish around the Derwent talk about it

**‘other’ responses**

Black veins in fish, look bad
Boating news
Email fisheries
Facebook
Facebook - Department of Fisheries
Fishing licence: updates via email
Not sure/don't know (6 responses)
Opening of Cray season
POMS alert
Read about it

**12a. Have you noticed any information about the range of walking tracks around the Derwent Estuary?**

<b>Table 12ai</b>	(%)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	31	22	24	20	11	5	113
Unsure	13	11	4	10	5	2	45
No	45	46	46	61	33	15	246
	89	79	74	91	49	22	404

<b>Table 12aii</b>	(%)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	34.8	27.8	32.4	22.0	22.4	22.7	28.0
Unsure	14.6	13.9	5.4	11.0	10.2	9.1	11.1
No	50.6	58.2	62.2	67.0	67.3	68.2	60.9
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 9eiii</b>	(%)	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	80.0	82.8	71.7	76.8	63.2	86.4	76.7
Unsure	5.0	0.0	0.0	1.8	0.0	0.0	1.3
No	15.0	17.2	28.3	21.4	36.8	13.6	22.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

## Cross tabulation by age group

<b>Table 12aiv (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
Yes	23.8	28.2	32.3	28.1
Unsure	8.2	14.1	9.7	10.9
No	68.0	57.7	58.1	60.9
	100.0	100.0	100.0	100.0

<b>Table 9ev (%)</b>	<b>2013</b>			
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
Yes	74.4	74.4	81.5	76.6
Unsure	1.1	0.9	2.2	1.3
No	24.4	24.8	16.3	22.1
	100.0	100.0	100.0	100.0

## Cross tabulation by household type

<b>Table 12avi (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	23.6	30.9	28.0
Unsure	13.0	9.9	11.1
No	63.4	59.3	60.9
	100.0	100.0	100.0

<b>Table 9evii (%)</b>	<b>2013</b>		
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Yes	75.2	77.5	76.7
Unsure	1.8	1.0	1.3
No	22.9	21.5	22.0
	100.0	100.0	100.0

**12b. Where did you see or hear that information?**

<b>Table 12bi</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	12	14	7	4	2	2	41
TV	0	1	0	1	0	0	2
Radio	2	1	0	2	0	0	5
Newspaper	7	3	2	5	0	0	17
Internet	10	3	6	4	3	0	26
DEP brochure	2	2	1	0	0	0	5
Word of mouth	7	7	3	4	3	1	25
Other	7	5	10	6	4	3	35
	47*	36*	29*	26*	12*	6*	156*

\* multiple responses

<b>Table 12bii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Signage	38.7	63.6	29.2	20.0	18.2	40.0	36.3
TV	0.0	4.5	0.0	5.0	0.0	0.0	1.8
Radio	6.5	4.5	0.0	10.0	0.0	0.0	4.4
Newspaper	22.6	13.6	8.3	25.0	0.0	0.0	15.0
Internet	32.3	13.6	25.0	20.0	27.3	0.0	23.0
DEP brochure	6.5	9.1	4.2	0.0	0.0	0.0	4.4
Word of mouth	22.6	31.8	12.5	20.0	27.3	20.0	22.1
Other	22.6	22.7	41.7	30.0	36.4	60.0	31.0

**Cross tabulation by age group**

<b>Table 12biii (%)</b>				
	<b>18 - 39</b>	<b>40 - 59</b>	<b>60 +</b>	<b>Total</b>
Signage	31.0	45.5	30.0	36.3
TV	0.0	0.0	5.0	1.8
Radio	3.4	2.3	7.5	4.4
Newspaper	10.3	11.4	22.5	15.0
Internet	27.6	29.5	12.5	23.0
DEP brochure	0.0	2.3	10.0	4.4
Word of mouth	31.0	18.2	20.0	22.1
Other	31.0	22.7	40.0	31.0

## Cross tabulation by household type

<b>Table 12biv (%)</b>			
	<b>Chn u/18</b>	<b>No chn u/18</b>	<b>Total</b>
Signage	36.8	36.0	36.3
TV	0.0	2.7	1.8
Radio	2.6	5.3	4.4
Newspaper	5.3	20.0	15.0
Internet	28.9	20.0	23.0
DEP brochure	0.0	6.7	4.4
Word of mouth	28.9	18.7	22.1
Other	23.7	34.7	31.0

**‘signage’ responses**

Around Greater Hobart
Around Long Beach
Battery Point
Bellerive (5 responses)
Blackmans Bay
Bridgewater
Clarence Council
Clarence Foreshore
Cornelian Bay (2 responses)
Don't know/can't remember (3 responses)
Dromedary
Esplanade- New Norfolk (2 responses)
Geilston Bay
Howrah / Tranmere tracks
Inner City tracks
Kingborough
Kingston Beach (4 responses)
Lindisfarne (2 responses)
Macquarie Point
Montagu Bay
Montrose Bay (4 responses)
Most harbour side beaches
Near the walkways
On start of tracks
Past MONA
Rose Bay
Sandy Bay (2 responses)
South Arm
South Arm jetty sign of the Blessington Coastal Track
Start of Alum Cliff walk at Kingston Beach
Taroona (3 responses)
The track
Various signposts

**‘TV’ responses**

ABC
News: lots of money being spent on tracks

**‘radio’ responses**

ABC (3 responses)
General
Triple M

**‘newspaper’ responses**

Clarence Council
Council newsletter
Council paper
Eastern Shore newspaper
Glenorchy Gazette (2 responses)
Local community paper (3 responses)
The Mercury (7 responses)

**‘internet’ responses**

Council websites: Clarence, Hobart, Glenorchy (4 responses)
DEP emails
DEP website
Facebook (5 responses)
GASP walking
Google search (3 responses)
Google: Tasmanian Walking Tracks site
Grater Hobart trails.com.au
Hobart trails website
<a href="https://www.greaterhobarttrails.com.au/">https://www.greaterhobarttrails.com.au/</a>
Tassie tracks, blogs
Parks.tas.gov.au
Self-sourcing
Social media
Tas trails website
Various websites
"Walks around Hobart"

**DEP brochure**

Parks and Wildlife booklet
Possibly from DEP
Unsure

**‘word of mouth’ responses**

Cycling group
Don't know
Fellow water users
Friends/family (15 responses)
Friends and other locals
I've heard council website has information
People at my work who used to live at New Norfolk
Sandy Bay
Through community groups

**‘other’ responses**

100 Walks in Tasmania book
60 Great Walks guide
Brochures
Clarence Council ( <i>4 responses</i> )
Don't know ( <i>2 responses</i> )
HCC - brochures
Kangaroo Bay
Kingborough Council brochures ( <i>5 responses</i> )
Leaflet - from the Library?
Local businesses in town
Local council
Local newsletter
Maps of cycling routes (shared paths)
Ourselves discovering
Pamphlets at the council.
Tourist Information Centre, Esplanade, New Norfolk
Walking booklet that I have

## Now briefly about you ...

## 13a. Which suburb/area do you live in?

<b>Table 13a</b>			<b>2013</b>	<b>2007</b>
	<b>Freq.</b>	<b>%</b>	<b>%</b>	<b>%</b>
Clarence	89	22.0	20.0	19.5
Hobart	79	19.6	21.3	20.0
Kingborough	74	18.3	20.0	20.0
Glenorchy	91	22.5	18.7	20.5
Brighton	49	12.1	12.7	12.0
Derwent Valley	22	5.4	7.3	8.0
	404	100.0	100.0	100.0

## 13b. Which of the following age groups are you in ...

<b>Table 13bi</b>	(frequency)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
18 - 29	10	8	6	5	4	1	34
30 - 39	33	9	12	19	12	3	88
40 - 49	13	20	18	25	13	1	90
50 - 59	18	13	12	14	6	3	66
60 - 69	8	15	17	16	10	9	75
70 +	5	14	9	12	4	5	49
	87	79	74	91	49	22	402
declined	2	0	0	0	0	0	2

<b>Table 13bii</b>	(%)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
18 - 29	11.5	10.1	8.1	5.5	8.2	4.5	8.5
30 - 39	37.9	11.4	16.2	20.9	24.5	13.6	21.9
40 - 49	14.9	25.3	24.3	27.5	26.5	4.5	22.4
50 - 59	20.7	16.5	16.2	15.4	12.2	13.6	16.4
60 - 69	9.2	19.0	23.0	17.6	20.4	40.9	18.7
70 +	5.7	17.7	12.2	13.2	8.2	22.7	12.2
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 10biii</b>	(%)	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
18 - 29	8.5	3.1	5.0	3.6	0.0	0.0	4.0
30 - 39	23.7	23.4	25.0	32.1	31.6	18.2	26.1
40 - 49	13.6	18.8	11.7	17.9	21.1	9.1	15.7
50 - 59	25.4	18.8	31.7	23.2	18.4	18.2	23.4
60 - 69	15.3	20.3	18.3	14.3	15.8	22.7	17.4
70 +	13.6	15.6	8.3	8.9	13.2	31.8	13.4
	100.0	100.0	100.0	100.0	100.0	100.0	100.0



<b>Table 10biv (%)</b>		<b>2007</b>				
	<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
18 - 29	5.1	10.0	10.0	9.8	10.0	9.0
30 - 39	12.8	15.0	22.5	17.1	17.5	17.0
40 - 49	33.3	32.5	20.0	19.5	27.5	26.5
50 - 59	33.3	25.0	20.0	17.1	10.0	21.0
60 - 69	7.7	5.0	22.5	17.1	15.0	13.5
70 +	7.7	12.5	2.5	19.5	20.0	12.5

### 13c. Do you have children aged under 18 living at home?

<b>Table 13ci</b>	(frequency)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	42	24	27	43	21	4	161
No	47	55	47	48	28	18	243
	89	79	74	91	49	22	404

<b>Table 13cii</b>	(%)						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	47.2	30.4	36.5	47.3	42.9	18.2	39.9
No	52.8	69.6	63.5	52.7	57.1	81.8	60.1
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 13ciii</b>	(%)	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Yes	35.0	29.7	38.3	46.4	44.7	13.6	36.3
No	65.0	70.3	61.7	53.6	55.3	86.4	63.7
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 10civ (%)</b>		<b>2007</b>				
	<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
Yes	30.8	35.0	30.0	31.7	40.0	33.5
No	69.2	65.0	70.0	68.3	60.0	66.5
	100.0	100.0	100.0	100.0	100.0	100.0

**13d. Gender**

<b>Table 13di</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Male	32	37	32	36	20	8	165
Female	57	42	42	55	29	14	239
	89	79	74	91	49	22	404

<b>Table 13dii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Male	36.0	46.8	43.2	39.6	40.8	36.4	40.8
Female	64.0	53.2	56.8	60.4	59.2	63.6	59.2
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 13diii</b>	<b>(%)</b>	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
Male	45.0	43.8	41.7	44.6	39.5	36.4	42.7
Female	55.0	56.3	58.3	55.4	60.5	63.6	57.3
	100.0	100.0	100.0	100.0	100.0	100.0	100.0

<b>Table 10div (%)</b>		<b>2007</b>				
	<b>Clarence</b>	<b>Hobart</b>	<b>Kingborough</b>	<b>Glenorchy</b>	<b>Brighton/DV</b>	<b>Total</b>
Male	59.0	57.5	42.5	29.3	47.5	47.0
Female	41.0	42.5	57.5	70.7	52.5	53.0
	100.0	100.0	100.0	100.0	100.0	100.0

**13e. What is the occupation of the main income earner in your household?**

<b>Table 13ei</b>	<b>(frequency)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
White	34	34	24	25	6	5	128
Grey	34	31	39	40	20	7	171
Blue	12	5	7	21	18	7	70
	80	70	70	86	44	19	369
Not specified	9	9	4	5	5	3	35

<b>Table 13eii</b>	<b>(%)</b>						
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
White	42.5	48.6	34.3	29.1	13.6	26.3	34.7
Grey	42.5	44.3	55.7	46.5	45.5	36.8	50.1
Blue	15.0	7.1	10.0	24.4	40.9	36.8	19.0

<b>Table 10eiii</b>	<b>(%)</b>	<b>2013</b>					
	<b>Clarence</b>	<b>Hobart</b>	<b>King-borough</b>	<b>Glenorchy</b>	<b>Brighton</b>	<b>Derwent Valley</b>	<b>Total</b>
White	42.4	60.3	43.1	18.5	5.6	14.3	35.4
Grey	32.2	27.0	32.8	29.6	52.8	23.8	32.6
Blue	25.4	12.7	24.1	51.9	41.7	61.9	32.0

## Thinking about the issues discussed in the survey today, would you like more information about ...

(online survey respondents directed to the relevant websites)

### Water quality

<i>frequency</i>	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	16	22	26	10	8	10	92
No	16	23	25	25	13	5	107

### Walking tracks

<i>frequency</i>	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	10	20	27	9	11	10	87
No	22	25	24	26	10	5	112

### Seafood safety

<i>frequency</i>	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	11	14	21	9	10	10	75
No	21	31	30	26	11	5	124

## And finally, if DEP were conducting further research about these or other issues, would you be happy to be contacted again?

<i>Further research</i>							
<i>frequency</i>	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	77	68	63	77	42	18	345
Unsure	5	5	7	3	3	1	24
No	7	6	4	11	4	3	35
	89	79	74	91	49	22	404

<i>Further research</i>							
%	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	86.5	86.1	85.1	84.6	85.7	81.8	85.4
Unsure	5.6	6.3	9.5	3.3	6.1	4.5	5.9
No	7.9	7.6	5.4	12.1	8.2	13.6	8.7

<i>Further research</i>							
2013							
%	Clarence	Hobart	King-borough	Glenorchy	Brighton	Derwent Valley	Total
Yes	88.3	87.5	86.7	89.3	94.7	81.8	88.3
Unsure	10.0	7.8	11.7	10.7	2.6	18.2	9.7
No	1.7	4.7	1.7	0.0	2.6	0.0	2.0

<i>Further research</i>							
2007							
%	Clarence	Hobart	Kingborough	Glenorchy	Brighton/DV	Total	
Yes	89.7	87.5	77.5	65.9	90.0	82.0	
Unsure	5.1	7.5	22.5	9.8	7.5	10.5	
No	5.1	5.0	0.0	24.4	2.5	7.5	