

Burwood Community Neighbourhood Assets Project 2015

This report is based on data collected in March and April 2015 as part of the University of Canterbury's GEOG110 *Dynamic Places: Exploring Human Environments* course. The data were collected and analysed for the residents of Burwood.

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Background

In recent years the Department of Geography at the University of Canterbury has utilised service learning, a form of learning which combines formal instruction with service in the community, in its curriculum. Service learning involves students working with community groups to help research issues of local concern. Since the 2010/11 earthquakes, the University has moved towards increased community engagement in its courses, most notably through CHCH101 *Rebuilding Christchurch - An Introduction to Community Engagement in Tertiary Studies*, which has built on the work of the Student Volunteer Army.

In 2013 a new first year Geography course, *GEOG110 Dynamic Places: Exploring Human Environments*, was created with a focus on understanding how places and the human communities within them change and develop over time. In 2015, the practical component of this course involved GEOG110 students collaborating with the Burwood community to investigate post-earthquake life. The aim was to learn more about what life is like in Burwood at present. There was particular interest in neighbourhood assets, including the skills, knowledge and resources of local people and groups. To help gather this information, GEOG110 students administered a survey of residents in the Burwood area.

The survey consisted of:

- A two page information and consent form (Appendix A). This included information about the survey, and how to consent to taking part in it. On the front was a box which the students had to complete indicating when the survey would be collected.
- Six pages of questions (part of Appendix B), divided into five main sections:
 1. Preliminary information (gathering basic information about residents and their households).
 2. Wellbeing and local connections (focusing on residents' experiences of living in Burwood).
 3. Regular activities (gathering information on residents' regular activities and where they occur).
 4. What might enhance Burwood as a neighbourhood? This section asked respondents about assets and facilities that might be added to Burwood, as well as those which could be improved, extended or upgraded.
 5. Boundaries. This section asked respondents to indicate on a map where they considered the geographical boundaries of Burwood to be.
 6. Local assets. Respondents were asked to identify and locate on a map the 'best things' in Burwood at present.
- A supplementary page was included to collect information for the residents of Burwood (part of Appendix B). This information was separate from the main survey and was not viewed or used by the University of Canterbury (a condition of the Ethics permission granted to carry out the survey).

The students sought to deliver surveys to all households. The students distributed the survey in groups of 3-4, with approximately 40 households allocated to each group. On delivery of the survey, students indicated when they would return to collect it. Collection was undertaken either on the same day or a few days later.

The surveys were delivered on Sunday 15th March 2015 between 4 and 6pm. If there was no-one at home, the students were instructed to leave the survey in the mail box, remembering to indicate on the information sheet indicating when they would collect the survey. The surveys were collected on Sunday 22nd March 2015 between 4 and 6pm. If there was no-one at home, students were instructed to check the mail box. If they could not collect/find the survey, they were instructed to

leave a sheet asking residents to drop their completed surveys to one of two addresses in Burwood (from where the surveys were forwarded to the University).

A total of 398 completed surveys were collected. The information within them was collated and analysed in Excel.

Results

Demographic Data

Table one summarises the characteristics of the Burwood survey respondents compared to the overall population (based on 2013 census data). The Burwood suburb is covered by the Travis and Travis Westland census area units, and so the data from these are used in the table below. Compared to the 2013 census data, the survey sample had a greater proportion of both retired people and females, with males underrepresented and those under the age of 20 not represented at all. Similarly, the survey sample substantially over represented people of European descent and underrepresented those of Maori decent.

Table 1. Characteristics of the Burwood survey sample compared to 2013 census data for Travis and Travis Wetland census area units (the areas sampled)

		Burwood Survey Respondents (%)	Travis and Travis Wetland Census Area Units 2013 (%)
Gender	Male *	37.6	49.9%
	Female*	62.4	50.1%
Age	0 – 9	0.8	6.8
	10 – 19	4.3	13.0
	20 – 29*	9.4	10.8
	30 – 39	26.3	12.2
	40 – 49	23.0	17.8
	50 – 59*	20.0	12.8
	60+*	16.3	19.5
Ethnicity	European	93.5	88.1
	Maori*	5.2	7.5
	Pacific People	1.8	1.5
	Asian	6.1	4.0
	Other	2.0	2.8
Employment	Full Time*	46.1	54.1
	Part Time	23.2	16.8
	Not in the Labour Force*	2.7	2.2
	Unemployed	28.0	26.9

* indicates a significant difference between the sample characteristics and those of the 2013 census

Additional information about the survey respondents is presented in tables 2 and 3. The median length of residence in Burwood for survey respondents was 15.6 years, and three quarters of respondents had lived in Burwood for more than 7.8 years (Table 2). The majority of respondents owned the home they lived in (91%), and were on TC2 (40%) or TC3 land (30%). Very few (only 4%) were members of a Residents' Association

Over a half of respondents were having their homes repaired (62%), while 14% lived in homes that had been designated as 'rebuilt'. An additional 6.5% were not yet confirmed as either a rebuild or a repair. The great majority of respondents knew at least a little about the re-development of Burwood Hospital and/or the relocation of Avonside Girls and Shirley Boys schools to the QEII site, and were overwhelmingly positive about both. The majority of respondents (73%) stated they will still be living in Burwood in five years' time.

Table 2: Length of residence at current address and in Burwood (all survey participants)

	Length of time at current address (years)	Length of time in Burwood (years)
Min	0.1	0.2
25th%	2.8	7.8
Mean	12.0	20.3
Median	8.2	15.6
75th%	15.0	30.0
Max	60.4	86.0

Table 3: Other characteristics of Burwood survey respondents

QUESTION	RESPONSE	%*
Member of the Residents Association?	Yes	4
	No	94
House ownership	Owned by me/ my family	91
	Rented	7
Land category	TC2 land	40
	TC3 land	30
	Unsure	18
Repair/rebuild status	Confirmed rebuild	14
	Confirmed repair	62
	Not yet confirmed	7
Is the house you live in in a City Council City Plan Flood Management Area?	Yes	16
	No	43
	Don't know	39
Where do you think you will be living in 5 years?	In Burwood	73
	Elsewhere in Christchurch	16
	Outside Christchurch but in NZ	6
	Overseas	2

* percentages do not always sum to 100 for each question, as the non-responses are not shown here. This especially applies to the 'Repair/rebuild status' question which was not answered by 17% of respondents.

Wellbeing, Belonging, Social Connectedness and Environment

The World Health Organisation five item wellbeing index, known as the WHO-5, was used to gauge local people's self-reported well-being (table 4). Other questions explored how residents felt in terms of belonging, environment, information and involvement (tables 5-8).

Table 4: Self-reported wellbeing in previous two weeks (% of respondents)

Wellbeing indicator	All of the time (%)	Most of the time (%)	More than half (%)	Less than half (%)	Some of the time (%)	At no time (%)
I have felt cheerful and in good spirits	7.2	9.0	18.9	54.8	10.1	7.2
I have felt calm and relaxed	9.2	11.1	26.1	43.2	10.3	9.2
I have felt active and vigorous	10.7	20.6	27.2	35.2	6.3	10.7
I woke up feeling fresh and rested	16.8	25.3	26.4	26.4	5.2	16.8
My daily life has been filled with things that interest me	11.6	10.5	26.7	38.3	12.9	11.6

Table 5: Self-assessment of local belonging (% of respondents)

Belonging indicator	Strongly agree (%)	Agree (%)	Neither agree nor disagree (%)	Disagree (%)	Strongly disagree (%)	Don't know (%)
I plan to remain a resident of this area for a number of years	4.9	5.4	14.4	37.4	37.9	4.9
I regularly stop and talk with people in my local area	4.7	14.2	24.5	40.3	16.3	4.7
I feel like I belong to this local area	3.4	5.5	18.8	46.0	26.4	3.4
I know the names of a lot of people in my local area	6.8	21.3	22.6	34.2	15.0	6.8
I am very attached to the local environment and landscape	3.7	7.4	22.7	37.5	28.8	3.7

Table 6: Perceptions of local environment (% of respondents)

Environment indicator	Strongly agree (%)	Agree (%)	Neither agree nor disagree (%)	Disagree (%)	Strongly disagree (%)	Don't know (%)
My local area is a safe place to live in	1.8	2.1	10.2	57.2	28.7	1.8
The buildings in my local area are well maintained	2.1	12.6	21.5	46.9	17.0	2.1
My local area is kept clean	2.6	12.5	18.0	51.7	15.1	2.6
There are enough parks in my local areas	3.1	10.4	7.3	56.4	22.7	3.1
There are public places in my local area where local people can get together	4.0	16.6	18.0	44.2	17.2	4.0

Table 7: Perceptions of accessibility of local information (% of respondents)

Information indicator	Strongly agree (%)	Agree (%)	Neither agree nor disagree (%)	Disagree (%)	Strongly disagree (%)	Don't know (%)
I know when important events in the local area take place	2.7	15.7	32.8	45.1	3.7	2.7
I know how to gather information relevant to local issues	2.1	17.0	29.0	46.8	5.1	2.1
I feel I am well informed about things happening in the local area	3.7	18.5	32.5	40.7	4.5	3.7

Table 8: Self-assessment of involvement in the local community (% of respondents)

Involvement indicator	Strongly agree (%)	Agree (%)	Neither agree nor disagree (%)	Disagree (%)	Strongly disagree (%)	Don't know (%)
I am motivated to be involved in my local community	2.7	24.5	45.1	25.1	2.7	2.7
I usually want to get involved in making decisions that will affect my local community	4.3	32.8	39.5	20.7	2.7	4.3
I am involved in my local community	4.0	43.4	35.3	14.0	3.2	4.0
I often volunteer for local community projects	9.4	55.3	25.9	7.8	1.6	9.4
I usually pitch in when something needs to be done in the local community	6.8	39.1	35.6	16.3	2.2	6.8

Table 9 summarises people’s self-reports and assessments regarding wellbeing, belonging, environment, information and involvement in the local community. It uses indices on a 0-100 scale that were generated from the data in tables 4-8.

Table 9: Summary scores for Wellbeing, Belonging, Environment, Information and Involvement

	Wellbeing	Belonging	Environment	Information	Involvement
Minimum value	0	20	20	0	0
25 th percentile	52	64	64	53	44
Median	68	76	76	67	52
Mean	63	72	74	65	54
75 th percentile	76	84	84	80	60
Maximum value	100	100	100	100	100
No response	25	19	18	17	28

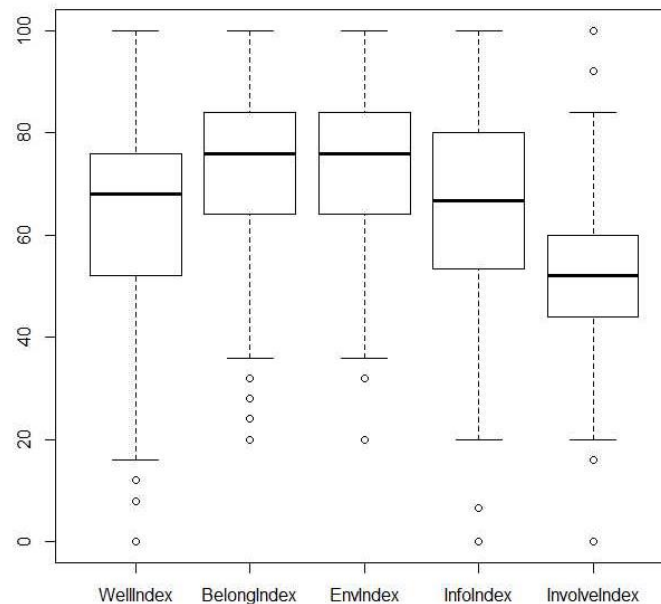


Figure 1: Burwood wellbeing, belonging, environment, information and involvement

The mean wellbeing score amongst survey respondents was 63 out of 100 (Table 9 and Figure 1). A score lower than 50 is usually taken to indicate some level of ‘mental distress’, and around one quarter of survey respondents had self-reported wellbeing levels below this threshold. Although one quarter of respondents is a significant proportion, it is worth noting that three quarters of the respondents reported well-being above this level.

The mean and median values for the Belonging, Environment and Information indices were all at or above 65, and the 25th percentiles above 50. This suggests that the majority of people sampled in Burwood felt a sense of local belonging, had positive views of the environment and felt well informed about the local area. The index for Involvement was notably lower (mean of 54), which indicated that a number of respondents did not feel particularly involved in the local community.

The relationships between wellbeing, belonging, environment, information and involvement and the gender of the survey respondents is shown in Table 10. Wellbeing and Involvement were the only community attributes where a statistically significant difference between males and females was observed. Males reported better personal wellbeing and females were significantly more involved in Burwood. There was no statistically significant difference between males and females for the other aspects of local community.

Table 10: Key community attributes by gender

Variable	Male score	Female score	p-value
Wellbeing	65.8	60.8	0.017*
Belonging	73.5	71.8	0.362
Environment	75.8	73.7	0.191
Information	66.9	63.6	0.064
Involvement	51.4	54.7	0.024*

*statistically significant, p<0.05

Relationships between wellbeing and the age of survey respondents are presented in Figure 2. Although wellbeing appears to increase slightly with age, when the well-being of those aged over and under 50 was compared statistically, there was no significant difference (Table 11).

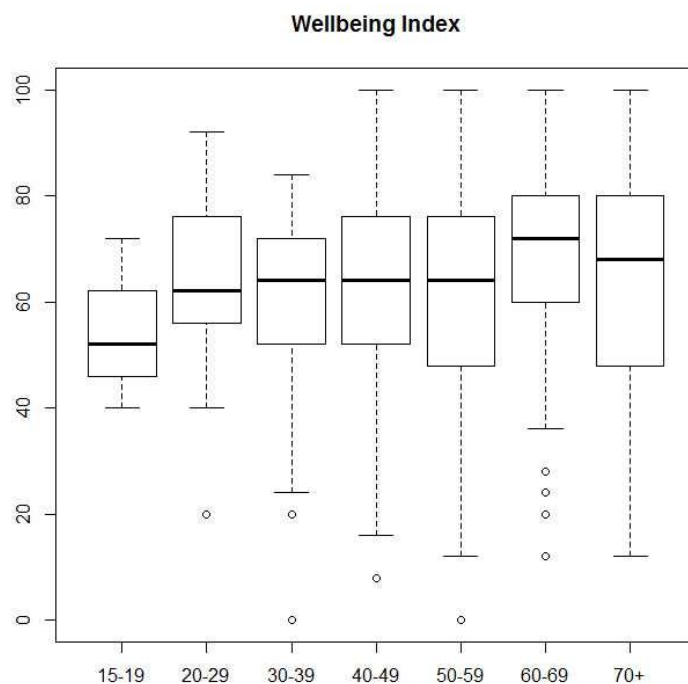


Figure 2: Self-reported wellbeing relative to age

One measure of the variation in self-reported well-being amongst respondents is the inter quartile range (IQR), which is the difference between the 25th and 75th percentile values. The IQR is represented visually by the upper and lower edges of the ‘boxes’ for each age group (Figure 2). The greatest variation in well-being was evident amongst those aged 70 and over, followed by those aged 50-59.

Table 11: Community attributes by age

Index	Younger (under 50 yrs)	Older (over 50 years)	p-value
Wellbeing	61.2	63.6	0.227
Belonging	72.0	72.6	0.694
Environment	74.6	74.2	0.812
Information	65.1	64.8	0.871
Involvement	53.4	53.8	0.819

*statistically significant, p<0.05

Relationships between the other indices and age were also explored (Figure 3). Indices of belonging and Involvement show some indication of increasing with age, although as with Wellbeing none of the indices show any statistically significant difference using the age 60 as a dividing point (Table 11)

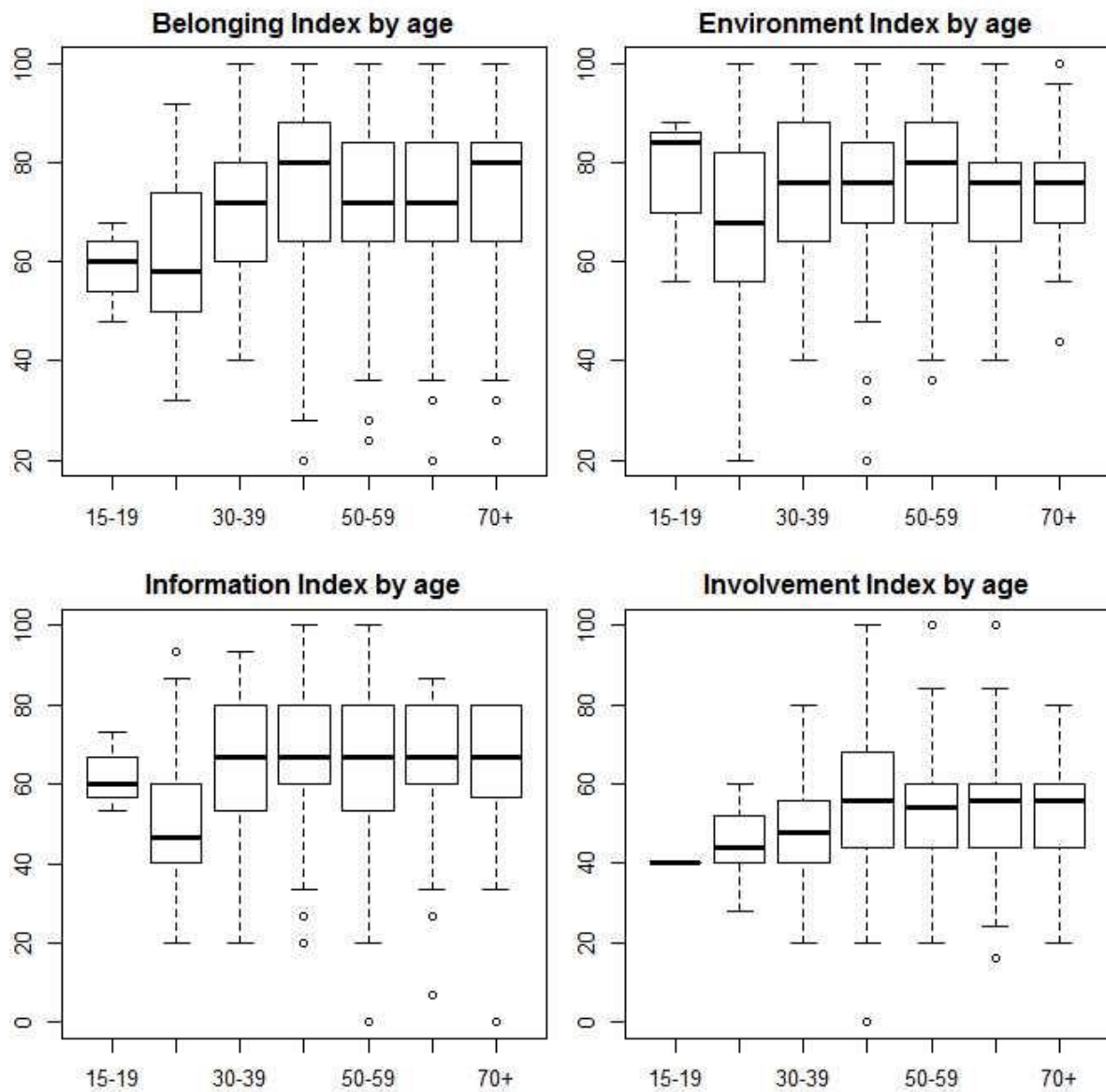


Figure 3: Community attributes by age

Linear regression was used to assess whether there was a relationship between a person’s length of residence in Burwood and their reported levels of wellbeing, belonging, environment, information and the extent of their local involvement (Figures 4-7). No significant correlations were found. The strongest correlation was between ‘belonging’ and ‘length of residence’, but the p-value (0.06) was just outside the common threshold for statistical significance ($p < 0.05$). In other words, no relationship was observed between a person’s length of residence and their well-being, belonging, evaluations of the local environment, the information they received, or the extent of their local involvement.

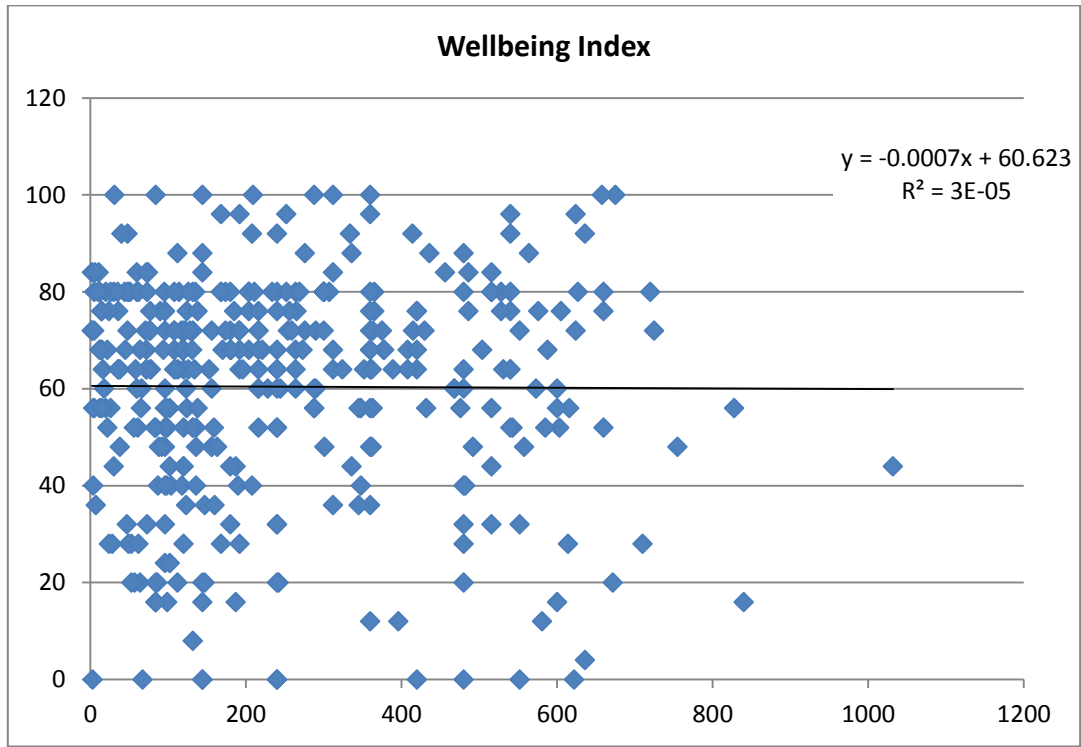


Figure 4: Wellbeing versus length of residence in Burwood

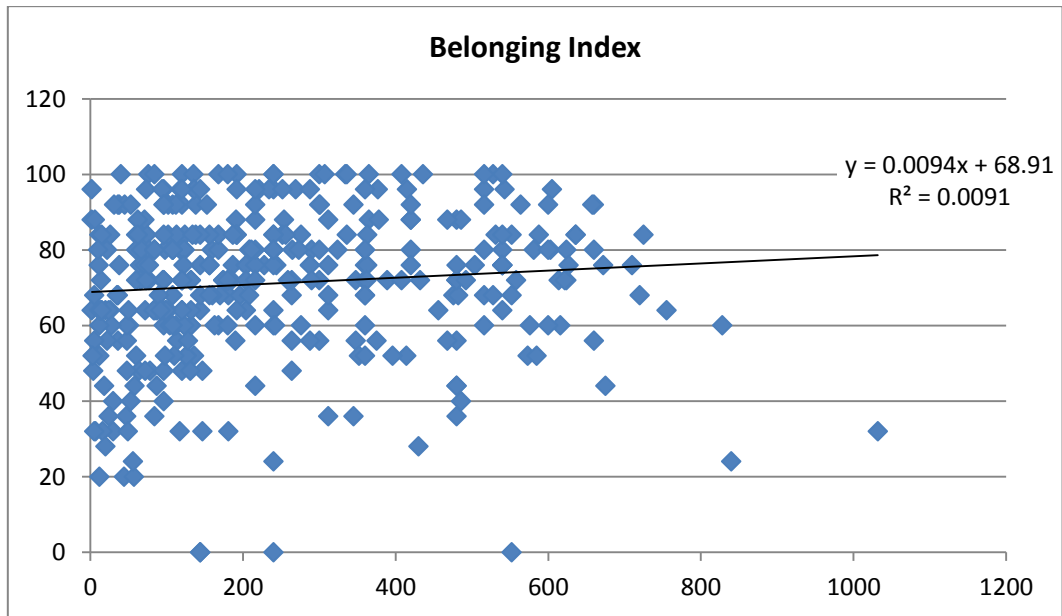


Figure 5: Belonging versus length of residence in Burwood

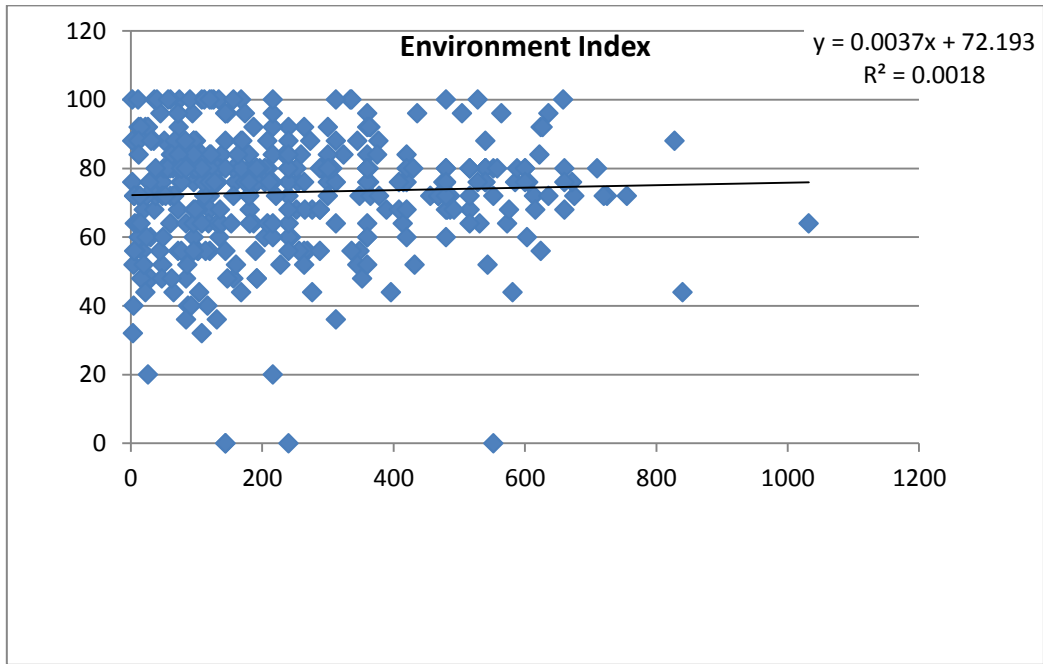


Figure 6: Environment versus length of residence in Burwood

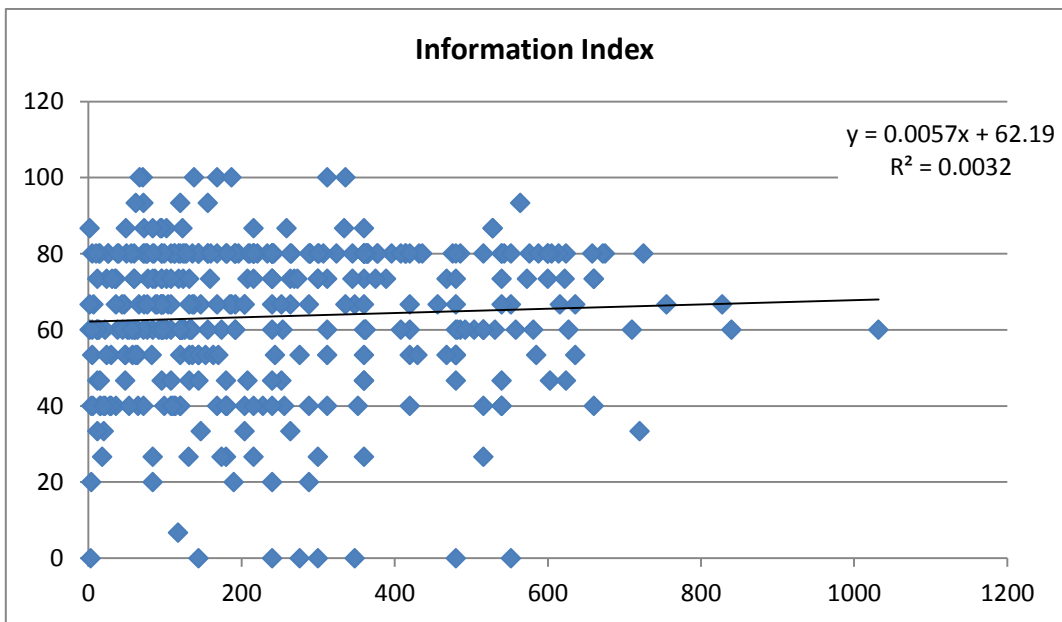


Figure 7: Information versus length of residence in Burwood

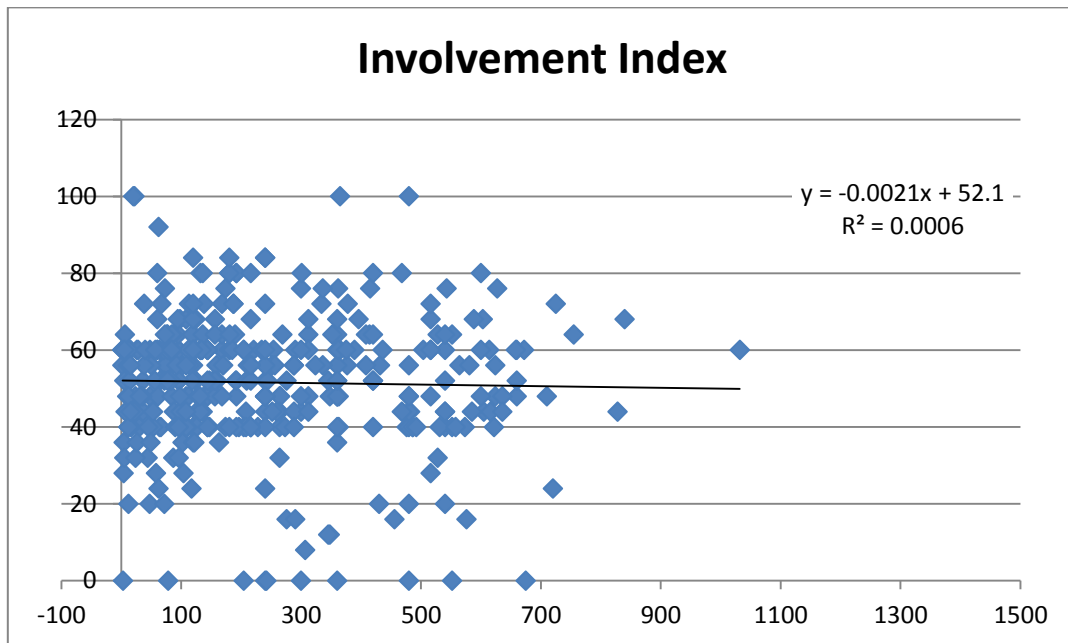


Figure 8: Involvement versus length of residence in Burwood

Loss of Resources

A number of local resources have been lost throughout Burwood as a result of the earthquakes. Figure 9 summarises how survey respondents felt about the loss of four resources: the primary school, Catholic Church, Queen Elizabeth II Park (QEII) and the Avon river path. Participants were asked to rate how they felt the loss of each resource has affected their lives, using five options: positively affected, no impact, slightly negatively affected, strongly negatively affected, and don't know.

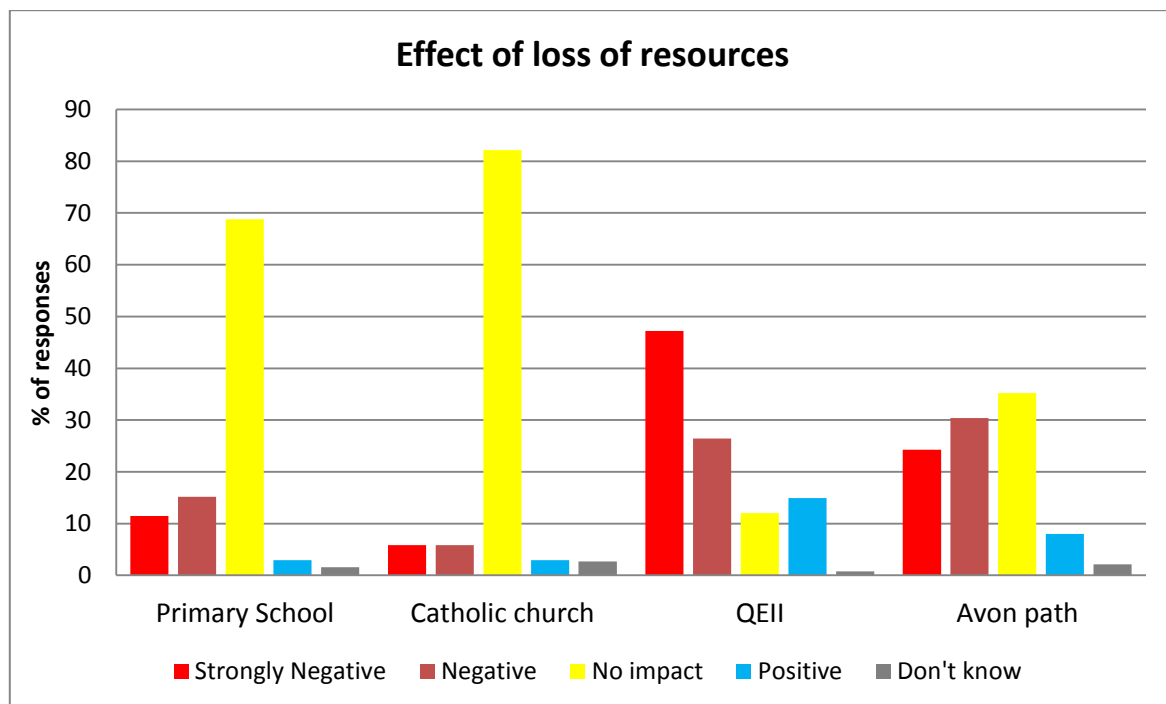


Figure 9: Residents' perceptions regarding the loss of local resources

The loss of the QEII sports complex had the largest negative impact on residents, with 47% reporting that they were strongly negatively affected and 26% that they were slightly negatively affected by its loss. Of secondary significance, 24% of surveyed residents were strongly negatively affected by the loss of walking path along the Avon river bank and 34% slightly negatively impacted. Over half of respondents reported little impact from the loss of the Catholic Church and the Primary School

Chi-squared tests were used to look for significant relationships between a person’s gender, age and length of residence (in three categories; short <5 years, medium < 20 years and long >20 years) and how they felt about the loss of the four resources (Tables 12-14). Neither age, gender or length of residence were statistically significantly different suggesting that the loss of resources was felt equally for males and females, different age groups and long and short term Burwood residents.

Table 12: Comparison of loss of local resources (Chi Square test p-values)

	Gender	Age	Length of Residence
Primary School	0.225*	0.050*	0.234*
Catholic Church	0.299	0.264*	0.564*
QEII	0.066	0.336*	0.115
Avon path	0.286	0.320*	0.213

Future developments for Burwood Hospital and Avonside Girls/Shirley Boys schools

Respondents were asked about their awareness of the proposed changes to Burwood Hospital and the relocation of Avonside Girls and Shirley Boys Schools to the QEII site (Figure 10), and the impact they felt it would have on the local community (Figure 11). Overall most people know a little about both developments, with few people either well informed or poorly informed. In both cases, the local community are very positive about the impact the developments will have on the local community. They see both as having the potential to regenerate the area through infrastructure investment, improved house values, better and more convenient facilities (health and education), while the main negatives points were related, not surprisingly, to traffic and congestion.

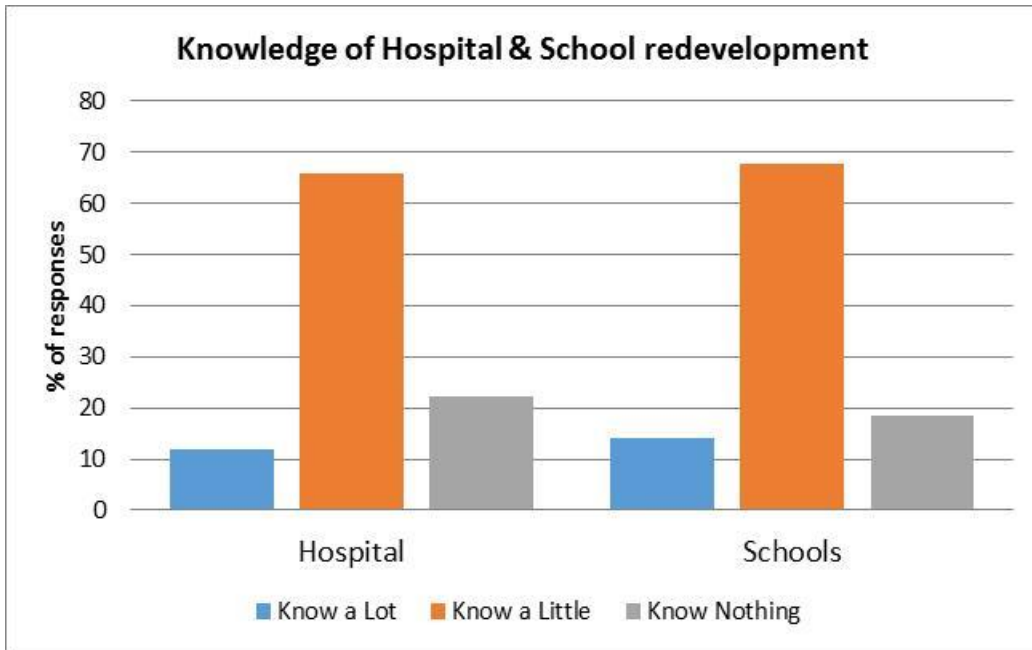


Figure 10: Awareness of Burwood Hospital redevelopment and Avonside Girls/Shirley Boys relocation

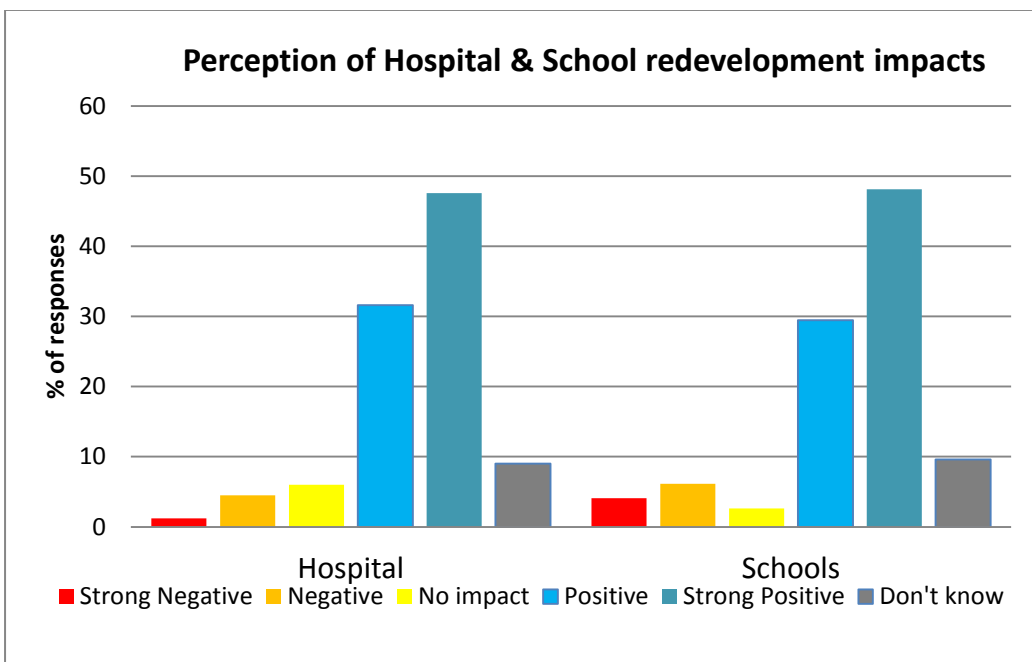


Figure 11: Impact on local community of Burwood Hospital redevelopment and Avonside Girls/Shirley Boys relocation

Activities within and outside of Burwood

Respondents were asked to indicate the activities in which they and others in their household regularly participated. They were asked to note the groups, organisations or businesses they – or someone else in their household – regularly connected with, both within and outside of Burwood (Table 13). There was also the option of providing more details on exactly where activities were located.

The four most commonly reported activities, in descending ranked order, were going to (i) a pharmacy/chemist, (ii) a fast food outlet, (iii) a sports group, and (iv) a primary school. Some activities tended to be locally focused within Burwood (pre-school, primary school, scouts and guides), but for many others, people's participation occurred outside the area, sometimes to a large extent (e.g. for attending a religious or spiritual group).

Table 13: Activities engaged in by Burwood respondents, in and out of the Burwood area

Activity	Number taking part	% of all respondents*	Number inside Burwood	Inside Burwood (% taking part)*	Number outside Burwood	Outside Burwood (% taking part)*
Pharmacy/chemist	255	64	127	50	99	39
Fast food outlet	207	52	139	67	65	31
Sports Group	193	48	66	34	127	66
Primary school	87	22	56	64	25	29
Religious/spiritual group (e.g. church, mosque)	57	14	10	18	39	68
Volunteering	54	14	26	48	42	78
Pre-school care (e.g. Playcentre, Kindy)	49	12	41	84	33	67
Children's holiday programmes	36	9	16	44	15	42
Intermediate School	35	9	13	37	18	51
Playgroup, children's music or gym group etc.	32	8	15	47	20	63
After school care	26	7	15	38	11	42
Walking group	24	6	9	38	6	25
Seniors Group	18	5	6	33	9	50
Educational tutor	15	4	7	47	5	33
Youth Group	14	4	5	36	9	64
Issues-based group (e.g. environmental group)	13	3	9	69	6	46
Scouting	12	3	9	75	2	17
Guides	5	1	4	80	1	20
Boys/Girls Brigade	4	1	1	25	1	25

* some respondents took part in activities inside and outside of Burwood, and some people did not respond about location of activity. Thus, percentages may not add to 100.

Enhancements to Burwood

Respondents were asked to indicate what might be added to Burwood to improve, extend or upgrade or enhance it as a neighbourhood. This was a free text section where respondents could write they wanted. Some of the most commonly mentioned terms are presented in table 14. The most commonly expressed enhancement was repairs to local roads and paths, following by the rebuilding of a swimming pool and better local parks.

With the exception of the swimming pool, most people did not want anything new built or installed, but instead wanted the current state of Burwood to be improved. There was a clear interest in having better and more shops and sports facilities locally, as well as more bike tracks, cafes and playgrounds.

Table 14: Resources that respondents feel could be added to or enhanced in Burwood

Item	Number of comments
Roads, paths	445
Swimming pool	367
Parks	347
Repairs	294
Walkway, tracks	134
Shops, mall	126
Sports facility	103
Bike tracks	62
Café, restaurants	49
Tidy	36
Playground	24

Perceptions of the boundaries of Burwood

Respondents were asked to indicate on a map where they considered the boundary of Burwood to lie. The results were digitised by the University geography students using ArcGIS, a commercially available GIS package.

The final map can be viewed at:

<http://www.geog.canterbury.ac.nz/community/110/2015/maps.shtml>

Local Assets

Respondents were asked to identify and locate on a map what they considered to be the 'best things' in Burwood. They were asked to supply a feature name, and comment about the feature. The results were digitised by the University geography students using ArcGIS, a commercially available GIS package.

The final map can be viewed at:

<http://www.geog.canterbury.ac.nz/community/110/2015/maps.shtml>

There are a number of points to note when using the online map. The data is crowd sourced data, and so only shows what people have reported (and does not show what people haven't reported). No attempt has been made to correct locations, feature names or comments. This means that some

of the features have been referred to many times by different people. The same feature may also have been located in slightly different places, so it will show up many times. It also means that, in some cases, the point could be incorrectly located. These limitations notwithstanding, the online map gives an indication of *what* surveyed residents perceive as local assets, and *where* they perceive these assets to be located.

Additional Resources

More information about the Department of Geography's work where students work with community partners can be found at:

<http://www.geog.canterbury.ac.nz/community.shtml>

A copy of this report can be found at:

<http://www.geog.canterbury.ac.nz/community/110/2015/BurwoodCommunityReport.pdf>

The maps produced in this project can be found at:

<http://www.geog.canterbury.ac.nz/community/110/2015/maps.shtml>

COMMUNITY ASSETS SURVEY

The University of Canterbury, working with the local community, would like to understand more about what it is like to live in Burwood (and adjacent areas) at present. We are particularly interested in the 'assets' within the neighbourhood/community, including the skills, knowledge and resources of local people and groups. Designed in partnership with members of the local community, the attached survey explores these issues. It is being delivered and administered by students in a first year course, GEOG110 Dynamic Places, as part of the University's commitment to working with local communities. Results and data will be fed back, and made available to your local community.

What does taking part involve?

You are invited to complete this survey, which will take around 15 minutes. The survey is divided into five main sections:

- 1: Preliminary information.** Requests basic information about you and your household.
- 2: Well-being and local connections.** Asks about your experience of living in your community.
- 3: Your regular activities.** Seeks to understand your regular activities and where they occur.
- 4: What might enhance your neighbourhood?** This section asks about the assets and facilities that might be added to Burwood, as well as those which could be improved, extended or upgraded.
- 5. Where is Burwood?** We want to know where local residents consider the boundaries of Burwood to lie.
- 6: Local assets.** Here we would like you to tell us where the best things in your community are.

Completing the survey is voluntary and you have the right to withdraw at any stage. If you withdraw, we will do our best to remove any information relating to you, if practically achievable. All information collected is anonymous.

What do I do next?

If you are willing to take part in the study, please complete the following survey. For those who complete the survey, we will assume that you are willing for your information to be used in a confidential manner as explained on the next page.

How do I get the survey back to you?

The students will collect this survey on Sunday 22nd March between 3 and 5pm. If you will not be in then, please leave on your doorstep. Alternatively you may drop off at Burwood Christian Centre, 52-54 Bassett St or either of the Waitākiri School sites by Wednesday March 25th.

If you have any questions about this survey and/or wish to receive a copy of the findings when they are available, then please contact Kathy Hogarth: kathy.hogarth@canterbury.ac.nz Tel 364 2987 extn 3629



Prof Simon Kingham
Department of Geography, University of Canterbury
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03 364 2893

ETHICS, CONFIDENTIALITY, USE OF DATA AND OTHER INFORMATION

What will happen to the information I provide?

The information from the survey will be used to inform decisions made by organisations in Burwood. In addition, an online Map will be created that identifies the key assets of Burwood as identified by local residents. Your responses will be confidential and you will never be individually identified in any of the results.

The project data will be securely stored in a locked room and on a password protected computer system at the University. Anonymised versions of the data (any names and contact details will be removed) may be made available to students as part of practical exercises within Geography classes. The university copy of your information will be destroyed after ten years.

Electronic summaries of the project results will be sent to the local community groups, and may be accessed by members of the local neighbourhood from there (providing you have an email address). These results will not identify any individuals.

How does this survey relate to the Census?

This survey is **not** the same as the Census which you completed in 2013. This survey has been designed in collaboration with the local neighbourhood, and the results will be used by members of the local neighbourhood.

Why Burwood and adjacent areas?

Through the University of Canterbury's work with local community leaders and representatives, along with staff at CERA and the City Council, Burwood and its adjacent areas have been identified as likely to benefit from knowing more about the needs and views of local residents. This is partly because the Burwood area is currently subject to a number of proposed developments, and these need to be informed by local perspectives.

Part of the survey asks you to name the community you live in, and to indicate where you consider the boundaries of Burwood to lie. This information will help inform current discussions around neighbourhood boundaries. Even if you do not consider yourself to live in Burwood, your completion of the survey is still important.

In previous years the University has worked with communities in Parklands and Avondale. Results of that work can be found here <http://www.geog.canterbury.ac.nz/community.shtml>

Other information

This project has been reviewed *and* approved by the Department of Geography at the University of Canterbury and University of Canterbury Human Ethics Committee. Participants may address any complaints to The Chair, Human Ethics Committee, University of Canterbury, Private Bag 4800, Christchurch (human-ethics@canterbury.ac.nz).

Supplementary page

A final supplementary page offers you the opportunity to be better connected with local groups and activities. Local community groups would like to develop a database of local people's skills. **This information is separate from the main survey and will not be used or stored by staff or students at the University of Canterbury. It will only be used by local community groups.**

COMMUNITY ASSETS SURVEY

Undertaken in partnership with the local Community

Administered by the Department of Geography, University of Canterbury

I have been given a full explanation of this project and have had the opportunity to ask questions. I understand what is required of me if I agree to take part in the research. I understand that participation is voluntary and I may withdraw at any time. Withdrawal of participation will also include the withdrawal of any information I have provided should this remain practically achievable. I understand that by completing this survey, I agree to participate in the research project described in the information sheet.

SECTION 1: PRELIMINARY INFORMATION. This section asks for basic information about you and your household.

- 1) How long have you lived at your current address? _____ years and _____ months
- 2) How long have you lived in Burwood (and adjacent areas)? _____ years and _____ months
- 3) Are you? Male Female
- 4) Which age group do you fall into?
 15-19 20-29 30-39 40-49 50-59 60-69 70+
- 5) Which of the following ethnic groups do you belong to? Please tick **as many options as apply**.
[] New Zealand European
[] Māori
[] Pacific Peoples
[] Asian
[] Other (please specify): _____
- 6) What is your current employment situation? Please tick **one option only**.
[] Employed full-time
[] Employed part-time
[] Unemployed (not in paid employment but seeking employment)
[] Working as a parent/unpaid caregiver
[] Retired
[] Other (please specify): _____
- 7) What name do you give to the community/suburb you live in? please state _____
- 8) Are you a member of a Residents Association? No Yes (please state which) _____
- 9) Please describe the current situation of the house you live in (tick one response for each of a), b) & c)
a) the house is: owned by me/my family rented other (please explain) _____
b) the house is on: TC2 land TC3 land Unsure
c) the house is/was: a Rebuild a Repair its repair/rebuild status is not yet confirmed
- 10) Is the house you live in located in the City Councils City Plan Flood Management Area?
 Yes No Don't know
- 11) Where do you think you will be living in 5 years?
 In Burwood Elsewhere in Christchurch Outside Christchurch but in New Zealand Overseas



12) Which of the following best reflects your awareness of the **redevelopment of Burwood Hospital**?

- (a) I know a lot about it (b) I know a little about it (c) I know nothing about it
– if (a) or (b), go to next question, if (c), continue survey at Question 16.

13) How do you think the redevelopment of Burwood Hospital may **positively** affect the local community?

14) How do you think the redevelopment of Burwood Hospital may **negatively** affect the local community?

15) Overall, please indicate how you think the Burwood Hospital redevelopment may affect the local community

- Strongly negatively** affect the area **Slightly negatively** affect the area **No** impact at all on the area **Slightly positively** affect the area **Strongly positively** affect the area Don't know

16) Which of the following best reflects your awareness of the **decision to move Avonside Girls' and Shirley Boys' High Schools to the QEII site**?

- (a) I know a lot about it (b) I know a little about it (c) I know nothing about it
– if (a) or (b), go to next question, if (c), continue survey at Section 2.

17) How do you think the relocation of Avonside Girls' and Shirley Boys' High Schools to the QEII site may **positively** affect the local community?

18) How do you think the relocation of Avonside Girls' and Shirley Boys' High Schools to the QEII site may **negatively** affect the local community?

19) Overall, please indicate how you think the relocation of Avonside Girls' and Shirley Boys' High Schools to the QEII site may affect the local community

- Strongly negatively** affect the area **Slightly negatively** affect the area **No** impact at all on the area **Slightly positively** affect the area **Strongly positively** affect the area Don't know

SECTION 2: WELL-BEING AND LOCAL CONNECTIONS

In this section we would like to understand more about your experience of living where you do.

20) For each statement below, please tick the option that best describes how you have felt over the last two weeks.

<i>Over the last two weeks</i>	All of the time	Most of the time	More than half of the time	Less than half of the time	Some of the time	At no time
I have felt cheerful and in good spirits	[]	[]	[]	[]	[]	[]
I have felt calm and relaxed	[]	[]	[]	[]	[]	[]
I have felt active and vigorous	[]	[]	[]	[]	[]	[]
I woke up feeling fresh and rested	[]	[]	[]	[]	[]	[]
My daily life has been filled with things that interest me	[]	[]	[]	[]	[]	[]

Please add any comments about your general well-being at present

21) For each statement below, please tick the option that best describes your view.

Belonging	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Don't know
I plan to remain a resident of this area for a number of years	[]	[]	[]	[]	[]	[]
I regularly stop and talk with people in my local area	[]	[]	[]	[]	[]	[]
I feel like I belong to this local area	[]	[]	[]	[]	[]	[]
I know the names of a lot of people in my local area	[]	[]	[]	[]	[]	[]
I am very attached to the local environment and landscape	[]	[]	[]	[]	[]	[]

Please add any comments about your belonging in your local area

Environment	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Don't know
My local area is a safe place to live in	[]	[]	[]	[]	[]	[]
The buildings in my local area are well maintained	[]	[]	[]	[]	[]	[]
The my local area is kept clean	[]	[]	[]	[]	[]	[]
There are enough parks in the my local area	[]	[]	[]	[]	[]	[]
There are public places in my local area where people can get together	[]	[]	[]	[]	[]	[]

Please add any comments about the environment in your community

Information	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Don't know
I know when important events in the local area take place	[]	[]	[]	[]	[]	[]
I know how to get information relevant to local issues	[]	[]	[]	[]	[]	[]
I feel I am well informed about things happening in the local area	[]	[]	[]	[]	[]	[]

Please add any comments about how well you feel informed about things happening in your community

Involvement	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree	Don't know
I am motivated to be involved in my local community	[]	[]	[]	[]	[]	[]
I usually want to get involved in decision making in my local community	[]	[]	[]	[]	[]	[]
I am involved in my local community	[]	[]	[]	[]	[]	[]
I often volunteer for local community projects	[]	[]	[]	[]	[]	[]
I usually pitch in when something needs to be done in the local community	[]	[]	[]	[]	[]	[]

Please add any comments about your involvement in the local community

22) For each of the local resources below, please tick the option that best describes how seriously the loss of each has affected your life.

Local Resources	Strongly negatively affected me	Slightly negatively affected me	No impact at all	Positively affected me	Don't know
Burwood Primary School	[]	[]	[]	[]	[]
Holy Family Catholic Church	[]	[]	[]	[]	[]
QEII sports complex	[]	[]	[]	[]	[]
The walkway/cycleway along the bank of the Avon	[]	[]	[]	[]	[]

Please add any comments about the loss of local resources in your community

SECTION 3. YOUR REGULAR ACTIVITIES (please add or delete as you feel necessary). Here we want to understand the activities you and others in your household regularly take part in, both within and outside of Burwood. Please use a tick to indicate which of the following activities, groups, organisations or businesses you (or someone in your household) regularly connect with.

Activities, groups, organisations and businesses that I (or someone in my household) am/is involved in, attend, use or visit	Tick (✓) if Yes (otherwise leave blank)	In Burwood – please state where (name the place or street)	Outside Burwood – please state where (suburb/ area it is in)	Comments
Pre-school care (e.g. Playcentre, Kindy)				
Playgroup, children’s music or gym group etc.				
Primary school				
Intermediate School				
After school care				
Children’s holiday programmes				
Religious/spiritual group (e.g. church, mosque)				
Walking group				
Scouting				
Guides				
Boys/Girls Brigade				
Fast food outlet				
Pharmacy/chemist				
Educational tutor				
Seniors Group				
Youth Group				
Issues-based group e.g. environmental group. Please state type of group in Comments				
Sports group/club 1 – please note details in the Comments box →				
Sports group/club 2 – please note details in the Comments box →				
Volunteering 1 – please note details in the Comments box →				
Volunteering 2 – please note details →				
Volunteering 3 – please note details →				

SECTION 4: WHAT MIGHT ENHANCE YOUR LOCAL AREA?

This section asks you to identify assets and facilities that could be added to Burwood, as well as those which could be improved, extended or upgraded.

Please indicate what you think could be added, improved, extended or upgraded in your local area, using the box below.

SECTION 5: WHERE IS BURWOOD? In this section we would like you to show us (by marking on the map on the next page) where you consider the boundary of Burwood to lie. On the map please **draw a set of lines to show where you consider the boundary of Burwood to be.**

SECTION 6: LOCAL ASSETS. In this section we would like you to tell us (**and mark the number on the map**) where the best things in Burwood are. We particularly want to find out about things that are not widely known.

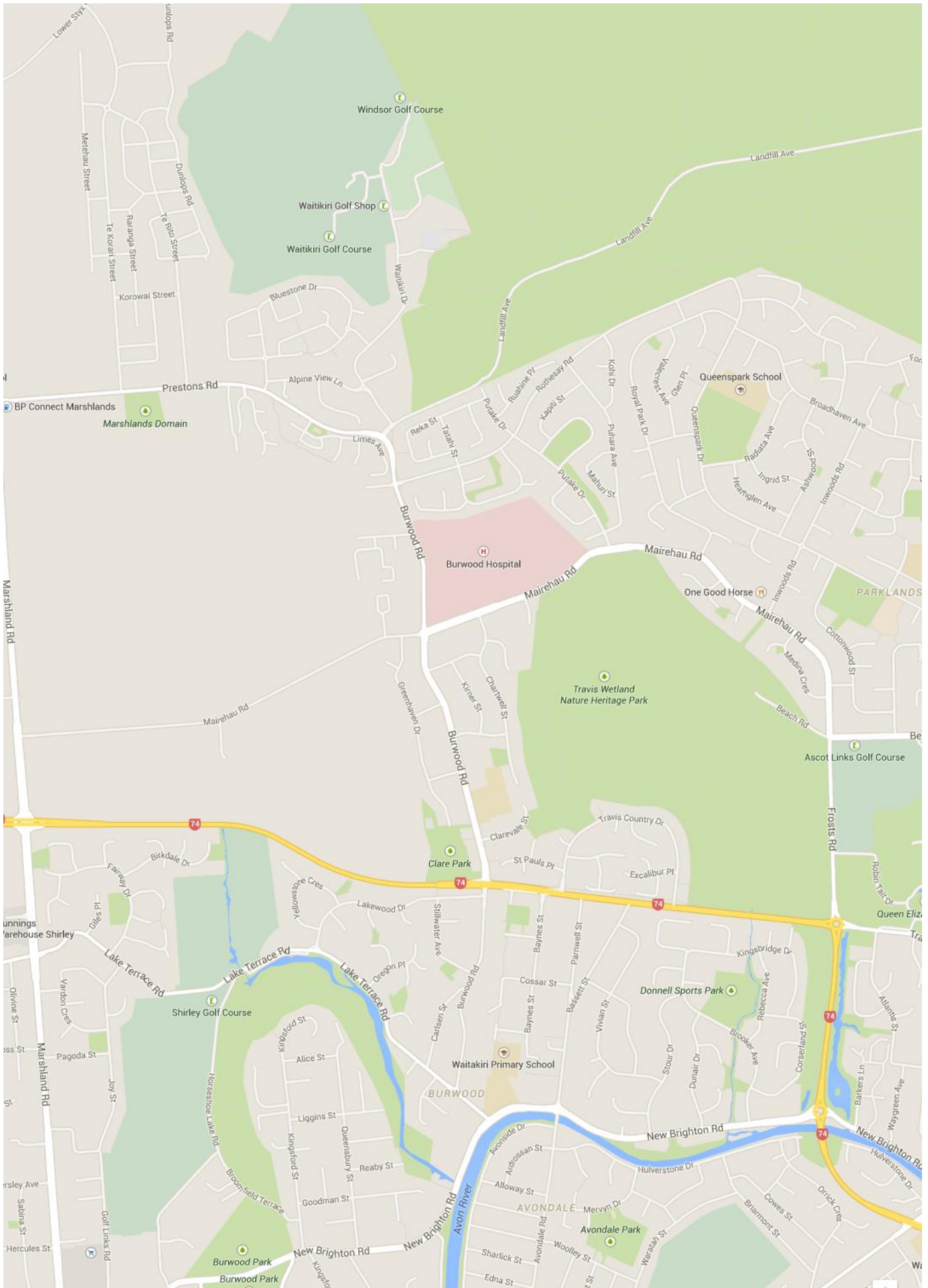
In the table below please list neighbourhood features that **you or others in your household** like, appreciate or value and add some comment about them. This information will be incorporated into an online map (like Google Maps) for you to access after the project has been completed.

The sort of things you note down might include:

- Educational facilities or opportunities: e.g. schools, pre-school care, playgroups, libraries, informal night or day classes.
- Businesses: e.g. shops, services, tradespeople, markets.
- Social/recreational groups/programmes
- Health and wellbeing facilities: e.g. health/medical clinics, physiotherapists, religious or spiritual groups.
- Aspects of the physical, built and natural environment: e.g. buildings, parks, bodies of water
- Outdoor recreation features and activities: e.g. forest, beach, footpaths, cycle tracks, parks, playgrounds, good neighbourhood events, sports clubs, other open spaces.
- Places that offer food and drink: e.g. cafes, pubs, restaurants, takeaways.

Number on map	Feature	Comment – specifically tell us why you like this feature, and/or what is special about it.
<i>Example</i>	Walking track	This is a great track because the kids can bike on it with us.
1		
2		
3		
4		
5		
6		
7		
8		
9		

Thank you for completing this survey. This survey will be collected on **Sunday 22nd March** between 3pm and 5pm. If you are not available please leave the survey on your doorstep. If this is not possible, please drop the survey at Burwood Christian Centre, 52-54 Bassett St or or either of the Waitākiri School sites by **Wednesday March 25th**.



A Personal Request from the Burwood Community

The Burwood community would like to give you the opportunity to be better connected into local groups and activities. If you would like to receive more local information, please indicate below what you would like to be contacted about:

- I would like to be informed about the results of this survey
- I would like to be told about the local asset information when it is available on an online map
- I would like to be contacted about local community consultation meetings relating to the future use of the residential red zone
- I would like to be informed of the following types of programmes, activities or groups if they are available in Burwood: (Please list)

Name: _____

Email address (or, if no email, contact phone number) _____

Local community groups would like to develop a database of local skills and assets you/your household have that you would be willing to offer or make freely available to the local neighbourhood. This would include helping improve local resilience in case of a future emergency such as another earthquake (e.g. you have a 4WD vehicle, or access to a generator). **This information will be stored securely by Burwood community groups and will only be used in the event of an emergency. This information will not be used or stored by staff or students at the University of Canterbury.**

- I would need power in case of an emergency (e.g. for medical support such as dialysis)

Skills	My name	My contact details
EXAMPLE: I have some building skills	Jo Smith	021 123 4567 Email: j.smith@email
EXAMPLE: I am a trained nurse	Nic Bloggs	027 234 5678 Email: n.bloggs@email