

# A random telephone survey of Warringah residents assessing demand for community gardens



A representative telephone survey of 600 Warringah residents conducted by Jetty Research on behalf of **Warringah Council**

**FINAL REPORT dated August 24<sup>th</sup> 2011**

## Table of Contents

<b>DISCLAIMER.....</b>	<b>4</b>
<b>EXECUTIVE SUMMARY .....</b>	<b>5</b>
<b>INTRODUCTION .....</b>	<b>7</b>
BACKGROUND .....	7
METHODOLOGY .....	7
SAMPLING ERROR.....	8
<i>Table i: How sampling error varies with sample and population size.....</i>	<i>8</i>
SAMPLE CHARACTERISTICS.....	9
<b>SECTION 1: SURVEY DEMOGRAPHICS (UNWEIGHTED).....</b>	<b>10</b>
<i>Graph 1.1: Ward of residence .....</i>	<i>10</i>
<i>Graph 1.2: Age range .....</i>	<i>10</i>
<i>Graph 1.3: Gender.....</i>	<i>11</i>
<i>Graph 1.4: Ratepayer status .....</i>	<i>11</i>
<i>Graph 1.5: Time lived in the Warringah LGA.....</i>	<i>12</i>
<i>Graph 1.6: Type of residence.....</i>	<i>12</i>
<b>SECTION 2: GARDENING BEHAVIOUR .....</b>	<b>13</b>
<i>Graph 2.1: Do you have access to a private or communal garden in your home?.....</i>	<i>13</i>
<i>Table 2.1: Access to a private or communal garden, by ward .....</i>	<i>13</i>
<i>Table 2.2: Access to a private or communal garden, by type of accommodation .....</i>	<i>13</i>
<i>Graph 2.2: Which of the following best describes you?.....</i>	<i>14</i>
<i>Table 2.2: Gardening descriptions, by type of accommodation.....</i>	<i>14</i>
<i>Table 2.3: Gardening descriptions, by whether respondent has access to a garden .....</i>	<i>15</i>
<i>Table 2.4: Gardening descriptions, by gender.....</i>	<i>15</i>
<i>Graph 2.3: Do you currently grow any of the following?.....</i>	<i>16</i>
<i>Graph 2.3a: Does the respondent currently grow anything?.....</i>	<i>16</i>
<b>SECTION 3: ATTITUDES TO COMMUNITY GARDENS .....</b>	<b>17</b>
<i>Graph 3.1: Do you know what a community garden is?.....</i>	<i>17</i>
<i>Graph 3.2: How strongly do you agree or disagree with the notion of establishing community gardens in Warringah? .....</i>	<i>17</i>
<i>Table 3.1: Significant differences in agreement between different respondent groups.....</i>	<i>18</i>
<i>Graph 3.3: Assuming the cost (of establishing a community garden) was borne by Council, would you see this as a worthwhile use of Council funds? .....</i>	<i>18</i>
<b>SECTION 4: KNOWLEDGE OF THE MANLY VALE COMMUNITY GARDEN .....</b>	<b>20</b>
<i>Graph 4.1: Are you aware of any community gardens already operating in the Warringah LGA? .....</i>	<i>20</i>
<i>Table 4.1: Awareness of a community garden, by ward .....</i>	<i>20</i>
<i>Graph 4.2: (If yes) Do you know where? .....</i>	<i>21</i>

<b>SECTION 5: LIKELY USE AND LOCATION/S .....</b>	<b>22</b>
<i>Graph 5.1: If a community garden were to be established near your residence, how likely would you be to use it?</i> .....	22
<i>Table 5.1a: Likelihood of using community garden, by attitude to gardening</i> .....	22
<i>Table 5.1b: Likelihood of using community garden, by age</i> .....	23
<i>Table 5.1c: Likelihood of using community garden, by gender</i> .....	23
<i>Table 5.1d: Likelihood of using community garden, by access to a private or communal garden</i> .....	23
<i>Graph 5.2: Are there any spaces within your local area that you feel would be especially suited to a community garden?</i> .....	24
<b>SECTION 6: ADVANTAGES AND DISADVANTAGES .....</b>	<b>25</b>
<i>Graph 6.1: Do you see any advantages in establishing community gardens?</i> .....	25
<i>Graph 6.2: And what about disadvantages?</i> .....	26
<b>APPENDIX 1: SURVEY .....</b>	<b>27</b>
<b>APPENDIX 2: SURVEY WEIGHTING CALCULATION .....</b>	<b>35</b>
<b>APPENDIX 3: MAP OF THE WARRINGAH LGA, SHOWING WARDS .....</b>	<b>36</b>
<b>APPENDIX 4: SUGGESTED SPACES FOR A COMMUNITY GARDEN .....</b>	<b>37</b>

Front cover photo: Manly Vale Community Garden (courtesy Warringah Council)



## Disclaimer

**While all care and diligence has been exercised in the preparation of this report, Jetty Research Pty Ltd. does not warrant the accuracy of the information contained within and accepts no liability for any loss or damage that may be suffered as a result of reliance on this information, whether or not there has been any error, omission or negligence on the part of Jetty Research Pty. Ltd. or its employees.**

## Executive summary

In July 2011, Warringah Council commissioned Jetty Research to conduct a random and representative fixed line telephone survey of 600 adult residents regarding two issues of local interest. This report relates to the part of that survey measuring residents' views on the building and management of further community gardens within the local government area (LGA).

The survey was conducted between July 14<sup>th</sup> and 28<sup>th</sup> 2011 from Jetty Research's CATI<sup>1</sup> facility. See Introduction for details of survey methodology, and Appendix 1 for the survey questions.

The draft survey questions were presented to Council at a Councillor briefing on July 5<sup>th</sup> 2011 by Jetty Research and Council Management.

Random sampling error for a randomly selected poll of 600 Warringah residents is +/- 3.9 per cent at the 95 per cent confidence level. This means that results should be accurate for the overall survey population to within +/-3.9 per cent in 95 of 100 such surveys conducted.

### Among the survey's major conclusions:

1. 89 per cent of respondents had access to either a private garden or some form of communal garden.
2. 26 per cent categorised themselves as saying they would "love to garden more but have limited opportunities". Those most likely to express such a view included those in apartments and women.
3. 75 per cent of respondents already grew something. This ranged from 60 per cent growing flowers down to 25 per cent growing vegetables.
4. 80 per cent knew what a community garden was.
5. 49 per cent strongly agreed with the notion of establishing community gardens in Warringah, with 33 per cent somewhat agreeing – a total agreement score of 82 per cent. This compared with just 7 per cent who disagreed, the balance being neutral or unsure.

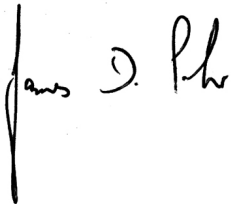
Respondents' most likely to be supportive included: women; existing gardeners; and those knowing what a community garden was.

6. Once respondents were informed that the establishment cost for a mid-sized community garden was of the order of \$50,000, 70 per cent believed this to be a worthwhile use of Council funds.
7. 24 per cent were aware that there was already a community garden operating in Warringah . In a follow-up (and unprompted) question, 82 per cent of these respondents - i.e. 20 per cent of the total sample - were able to identify that it was in Manly Vale.
8. When asked how likely they would be to use a community garden were it to be located near their home, 5 per cent said "extremely likely" with a further 23 per cent "quite likely".  
Those most likely to claim they would use such a facility included: keen gardeners and those who loved gardening but had limited opportunities; residents aged 45-64; women; and those without access to a private or communal garden.
9. Of those agreeing with the notion of establishing community gardens in Warringah, 35 per cent were able to suggest possible spaces where such facilities could exist. (The full list of spaces offered is contained verbatim in Appendix 4 to this report.)

---

<sup>1</sup> Computer-assisted telephone interviewing

10. When asked in an unprompted question what they saw as the main advantages in establishing community gardens, main benefits offered were their role in building community spirit and/or helping residents make new friends (offered by 69 per cent of those answering this question); in growing local produce (41 per cent); by assisting those without gardens of their own (40 per cent); in helping share gardening knowledge (27 per cent); and by teaching children where produce comes from (24 per cent).
11. In terms of disadvantages, 35 per cent of respondents answering this question were concerned it may lead to theft or vandalism of produce. A further 21 per cent felt it was too expensive for Council to build and/or maintain, and 16 per cent were worried it may lead to disputes (either between members or between owners and non-members).

A handwritten signature in black ink, appearing to read "James D. Parker".

James Parker, B. Ec, Grad Cert Applied Science (Statistics), MAMSRS  
Managing Director  
August 24<sup>th</sup> 2011

## Introduction

## Background

Warringah Council has commissioned Jetty Research to conduct a random and representative survey of 600 adult residents to establish community views on two topics of interest. This report covers a series of questions regarding community gardens, to assist in determining their demand in Warringah. (There is already one such community garden, established in 2010 at Manly Vale.)

The specific objectives of the survey were to:

- measure community support and potential demand for the establishment of further community gardens within Warringah ;
- see how support varied by factors such as council ward, type of accommodation and attitude towards gardening;
- identify perceived advantages and disadvantages of community gardens; and
- identify possible locations for future community gardens.

## Methodology

Respondents were selected at random from a commercially available database of 46,527 residential telephone numbers within the postcodes 2084-2087, 2093, 2096-2097, 2099, 2100 and 2101<sup>2</sup>. From this initial database 8,474 fixed line telephone numbers were selected at random, with these numbers randomised again prior to calls being made.

The survey instrument (see Appendix 1) was created by Jetty Research and Warringah Council to achieve the survey objectives. The draft survey questions were presented to Council at a Councillor briefing on July 5<sup>th</sup> 2011 by Jetty Research and Council Management.

The survey was piloted on Thursday, July 14<sup>th</sup> for clarity and length. Polling was then conducted from Monday July 18<sup>th</sup> to Thursday July 28<sup>th</sup> from Jetty Research's Coffs Harbour CATI<sup>3</sup> call centre. A team of ten researchers called Warringah residents on weekday evenings (excluding Friday) from 3.30 to 8pm. Where phones went unanswered, were engaged or diverted to answering machines, researchers phoned on up to four occasions at different times of the afternoon or evening.

The poll was conducted on a random basis, though with a request for adequate representation from those not living in detached (i.e. stand-alone) houses. It was also decided to use a quota system by ward - based on relative population size and beach proximity - with the following quotas agreed:

Ward	Quota	Suburbs
A	250	Collaroy/Collaroy Plateau, Cromer, Dee Why, Narrabeen, Wheeler Heights
B	250	Allambie / Allambie Heights, Brookvale, Curl Curl/South Curl Curl, Freshwater, Manly Vale, Narrabeena, North Balgowlah, North Curl Curl, North Manly
C	100	Beacon Hill, Belrose, Cottage Point, Davidson, Duffy's Forest, Forestville, Frenchs Forest, Ingleside, Killarney Heights, Ku-Ring-Gai Chase, Oxford Falls, Terrey Hills

(See Appendix 3 for map of Warringah LGA by ward)

<sup>2</sup> This compares with 48,436 residential households in the 2006 ABS Census for the Warringah LGA. However up to 20 per cent of the database may comprise disconnected or otherwise invalid numbers. Conversely some postcodes may include households in neighbouring LGAs.

<sup>3</sup> Computer-assisted telephone interviewing

Potential respondents were screened to ensure they were aged 16 or over, had lived in Warringah for at least six months, and that they or an immediate family member was not a Warringah Council councillor or permanent employee.

Those completing the survey were also invited to add their contact details to a Council database for possible involvements in future community consultation activities. Some 307 of the respondents agreed to provide such contact details – these will be supplied separately to Council for follow-up.

Total sample size for the survey was 600 residents. Interview time varied from 7 to 22 minutes, with an average of 10.6 minutes<sup>4</sup>. Participation rate was satisfactory, with approximately 41 per cent of eligible households reached agreeing to take part in the survey.

Please note that due to the nature of the survey, not all respondents answered every question. The number of respondents answering each question is marked as “n = XXX” in the graph accompanying that question.

Where differences in this report are classed as significant, this implies they are statistically significant based on independent sample t-scores or other analysis of variation (or ANOVA) calculations. Within tables, statistically significant differences are typically shown in blue (above mean) and pink (below mean).

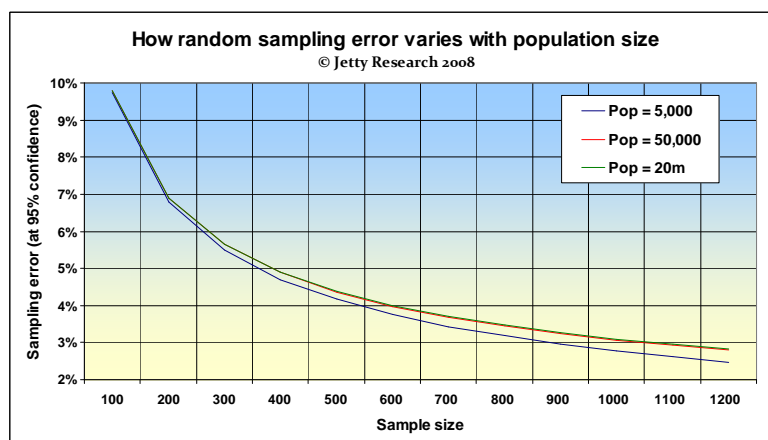
In statistical terms, significant differences are unlikely to have been caused by chance alone.

## Sampling error

According to the 2006 ABS Census (Usual Resident profile) the total population of the Warringah LGA was 133,838, of which 106,651 were aged 16 and over. Based on this sample population, a random sample of 600 adult residents implies a margin for error of +/- 3.9 per cent at the 95 per cent confidence level. (This means in effect that if we conducted a similar poll twenty times, results should reflect the views and behaviour of the overall survey population to within a +/- 3.9 per cent margin in 19 of those 20 surveys.)

As Table i shows, margin for error falls as sample size rises. Hence sub-groups within the overall sample will typically create much higher margins for error than the overall sample. For example a sample size of 250 exhibits a random sampling error +/- 6.1 per cent (again at the 95 per cent confidence level).

**Table i: How sampling error varies with sample and population size**



<sup>4</sup> Note this time includes question relating to the second topic covered, that of dogs-off-leash on Warringah beaches

In addition to the random sampling error above, there may also be some forms of non-random sampling error which could have affected results. These include residents without fixed line phones, silent telephone numbers, the proportion of non-respondents (refusals, no answers etc.), survey timing, and/or imperfections in the survey database.

**Note that within the SPSS-generated tables, total sample may not always exactly equal 600. This is due to rounding caused by the weighting of data.**

## Sample characteristics

Respondents to this random telephone survey exhibited the following characteristics:

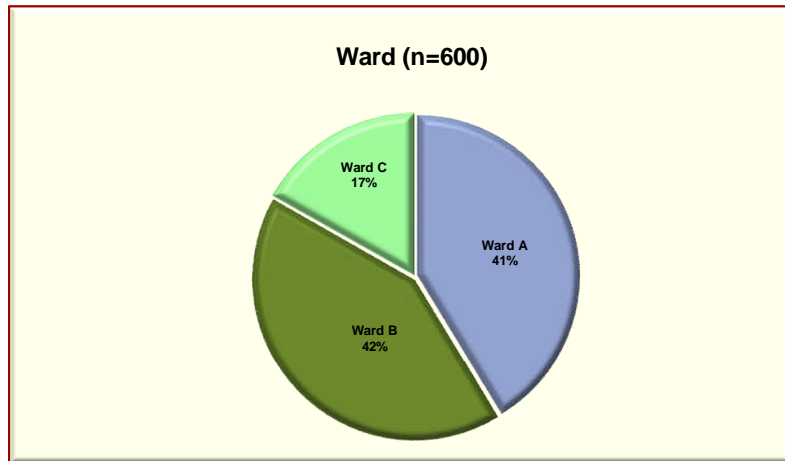
- 59 per cent were female, against 41 per cent male;
- 7 per cent of the sample was aged 16-34, against 44 per cent aged 35-54 and 49 per cent aged 55-plus;
- 87 per cent of the sample were ratepayers within the Warringah LGA;
- 68 per cent lived in detached houses, with the balance in townhouses, semi-detached houses, townhouses/villas and apartments/units.

The survey results are hence skewed slightly towards older residents and females (see “Survey Demographics, in following section). However the effects of such skew have been minimized by the weighting of survey results to match age and gender demographics for the Warringah LGA (based on ABS Census data 2006). See Appendix 2 for details.

## Section 1: Survey demographics (unweighted)

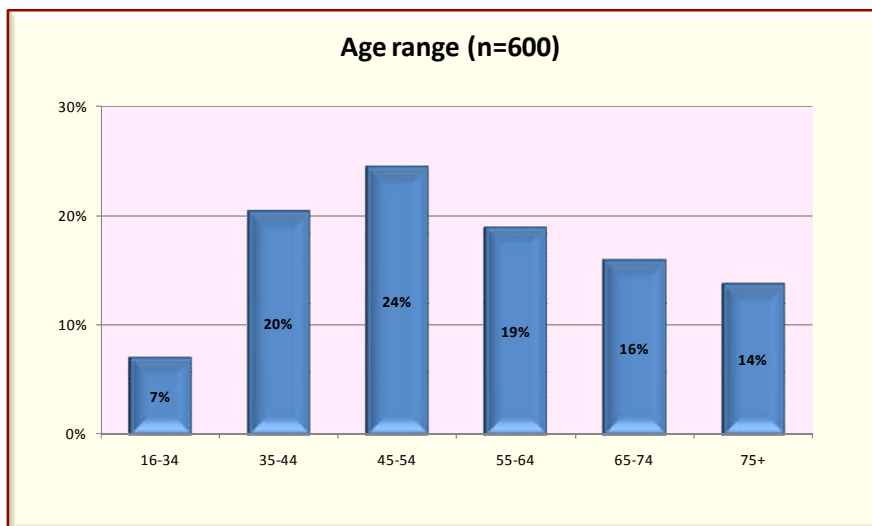
Respondents presented the following demographic characteristics. Please note that unlike the rest of the survey findings, these results are unweighted - i.e. have not been adjusted to reflect the LGA's age and gender profile based on 2006 ABS Census data<sup>5</sup>.

**Graph 1.1: Ward of residence**



It was decided prior to the commencement of the survey to poll approximately 250 people each in Wards A and B, and 100 in Ward C (see Map, Appendix 3). This was based on relative populations by ward, and also proportions of population living in accommodation without access to a private or communal garden.

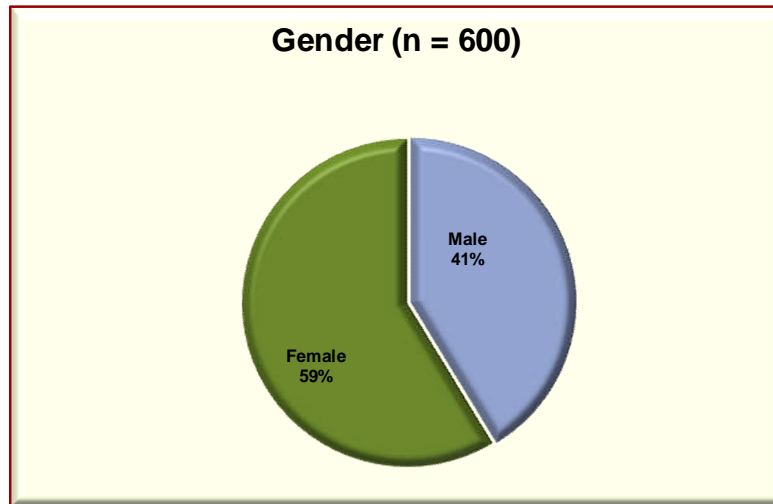
**Graph 1.2: Age range**



Although age was skewed slightly to older residents (which is standard in random fixed line telephone polling), there is nonetheless a healthy spread of ages represented.

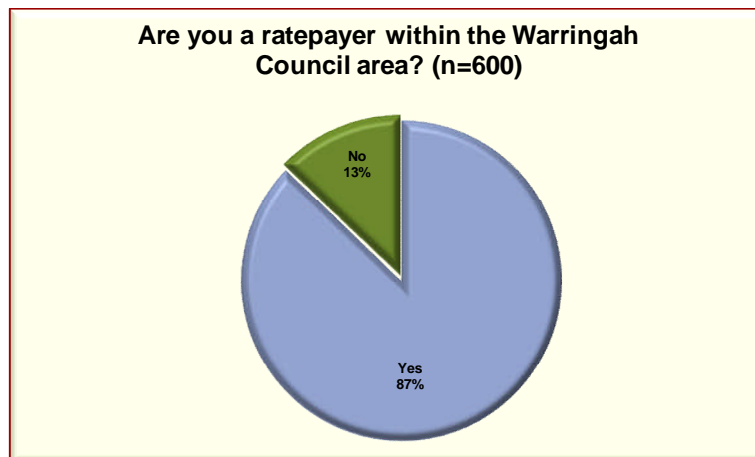
<sup>5</sup> Usual Resident profile

**Graph 1.3: Gender**



The random sample is skewed slightly towards females. However like age, this has been corrected through the weighting of data to meet ABS 2006 Census data: see Appendix 2 for details.

**Graph 1.4: Ratepayer status**

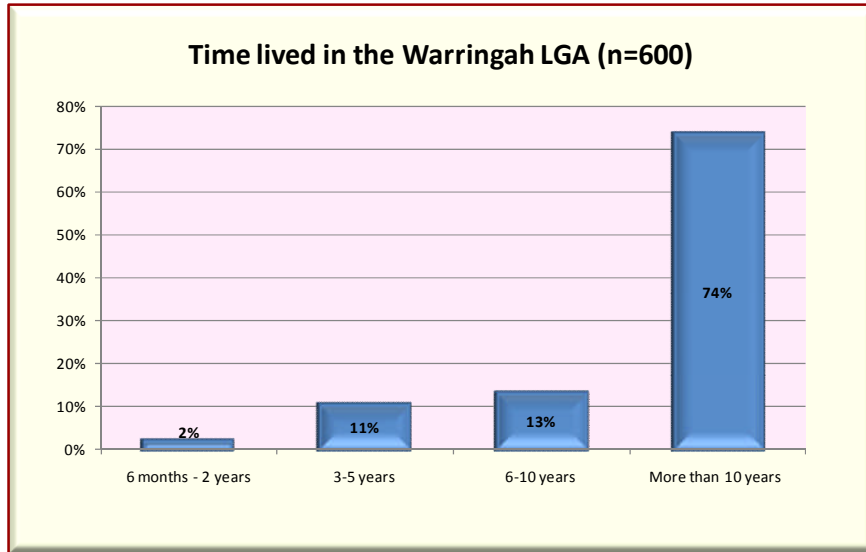


Some 87 per cent of respondents were ratepayers within the Warringah LGA. While the figures are not strictly comparable<sup>6</sup>, in 2006 approx. 61 per cent of residences were occupied by owners or part-owners.<sup>7</sup>

<sup>6</sup> As some of the respondents to this survey may have been ratepayers of commercial property, and/or owned a residential investment property within the LGA.

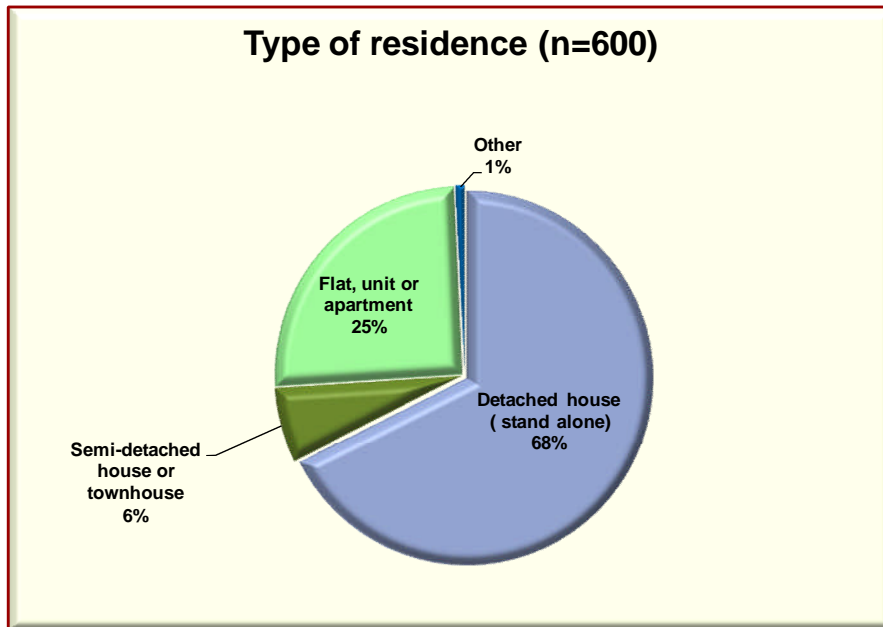
<sup>7</sup> ABS Census data for Warringah LGA, Usual Resident Profile, Community profile Tab 32

**Graph 1.5: Time lived in the Warringah LGA**



Almost four in five respondents had lived in Warringah for ten years or more. Note that long-term residents may have been more prepared to participate in a survey such as this due to a greater interest in local issues. It is also likely to reflect the survey’s slight (older) age skew. Those residing in Warringah for less than six months were excluded from the survey during the screening process.

**Graph 1.6: Type of residence**

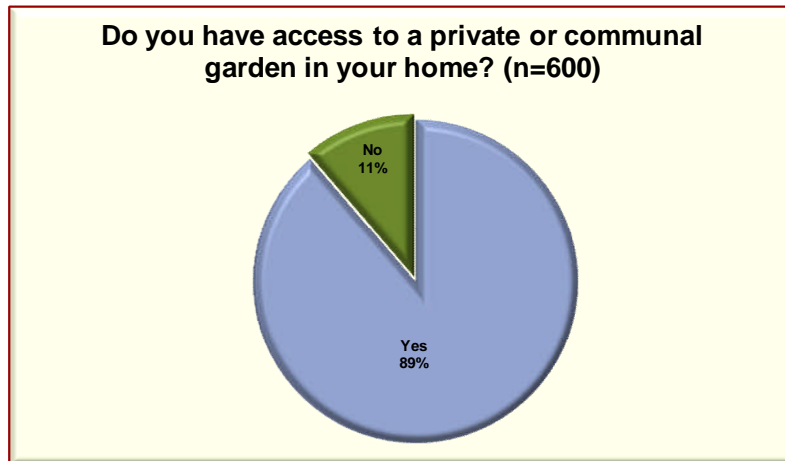


Just over two-thirds of respondents lived in detached (i.e. stand-alone) houses, compared with approximately 60 per cent based on 2006 Census data. “Other” mainly represents respondents living in retirement homes.

## Section 2: Gardening behaviour

As past behaviour is often a useful indicator of future intentions, the survey commenced with three questions relating to the respondents' personal gardening experience. (It's important to note that these questions were asked before any mention had been made of community gardens, to avoid biasing responses.)

**Graph 2.1: Do you have access to a private or communal garden in your home?**



**Table 2.1: Access to a private or communal garden, by ward**

			Wards			Total
			Ward A	Ward B	Ward C	
Access to a communal garden	Yes	Count	213	233	87	533
			83.2%	91.0%	97.8%	88.7%
	No	Count	43	23	2	68
			16.8%	9.0%	2.2%	11.3%
Total		Count	256	256	89	601
			100.0%	100.0%	100.0%	100.0%

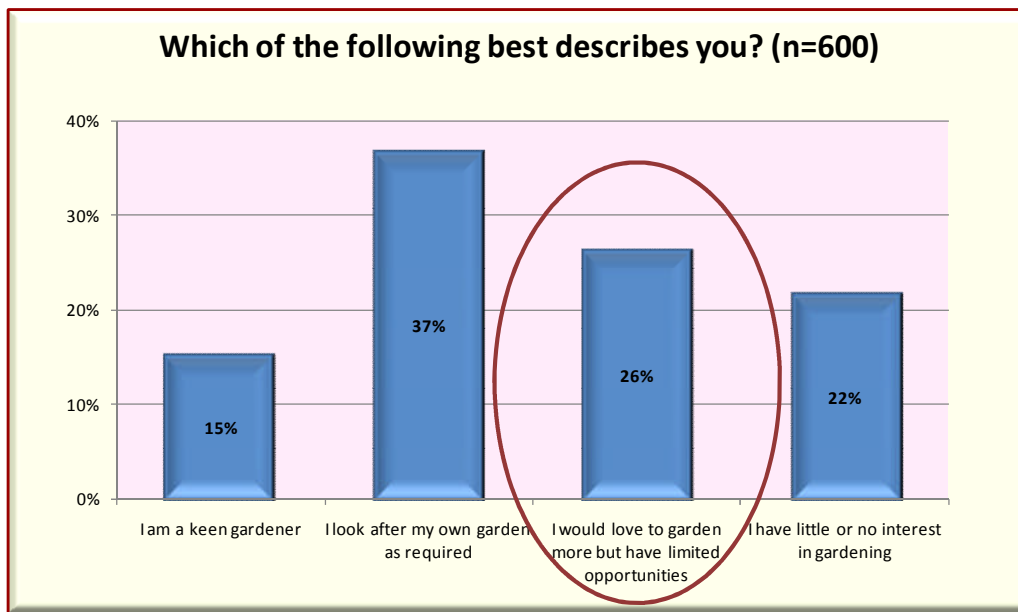
**Table 2.2: Access to a private or communal garden, by type of accommodation**

			Place of residence (type)				Total
			Detached house	Semi-detached house or townhouse	Flat, unit or apartment	OTHER	
Access to a communal garden	Yes	Count	401	35	93	3	532
			99.0%	92.1%	61.2%	60.0%	88.7%
	No	Count	4	3	59	2	68
			1.0%	7.9%	38.8%	40.0%	11.3%
Total		Count	405	38	152	5	600
			100.0%	100.0%	100.0%	100.0%	100.0%

Graph 1.1 indicates that almost nine in ten respondents had access either to a private or communal garden. This included some 98 per cent of those living in Ward C, down to 83 per cent of those in Ward A (Table 2.1). As one would expect, 99 per cent of those in detached houses claimed a garden. However it is perhaps surprising that some 61 per cent of those in units or apartments also claimed access to some form of garden.

We then asked respondents how they would describe their attitude to gardening using one of four prompted alternatives:

**Graph 2.2: Which of the following best describes you?**



**Table 2.2: Gardening descriptions, by type of accommodation**

		Place of residence (type)				Total
		Detached house	Semi-detached house or townhouse	Flat, unit or apartment	OTHER	
I am a keen gardener	Count	64	9	18	0	91
		15.8%	23.7%	11.8%	.0%	15.1%
I look after my own garden as required	Count	187	13	21	1	222
		46.1%	34.2%	13.7%	20.0%	36.9%
I would love to garden more but have limited opportunities	Count	90	11	54	3	158
		22.2%	28.9%	35.3%	60.0%	26.2%
I have little or no interest in gardening	Count	65	5	60	1	131
		16.0%	13.2%	39.2%	20.0%	21.8%
<b>Total</b>	Count	406	38	153	5	602
		100.0%	100.0%	100.0%	100.0%	100.0%

**Table 2.3: Gardening descriptions, by whether respondent has access to a garden**

		Do you have access to a private or communal garden?		Total
		Yes	No	
I am a keen gardener	Count	85	6	91
		15.9%	8.8%	15.1%
I look after my own garden as required	Count	216	4	220
		40.5%	5.9%	36.6%
I would love to garden more but have limited opportunities	Count	133	26	159
		25.0%	38.2%	26.5%
I have little or no interest in gardening	Count	99	32	131
		18.6%	47.1%	21.8%
<b>Total</b>	Count	533	68	601
		100.0%	100.0%	100.0%

**Table 2.4: Gardening descriptions, by gender**

		Gender		Total
		Male	Female	
I am a keen gardener	Count	42	49	91
		14.5%	15.8%	15.2%
I look after my own garden as required	Count	120	100	220
		41.5%	32.3%	36.7%
I would love to garden more but have limited opportunities	Count	60	98	158
		20.8%	31.6%	26.4%
I have little or no interest in gardening	Count	67	63	130
		23.2%	20.3%	21.7%
<b>Total</b>	Count	289	310	599
		100.0%	100.0%	100.0%

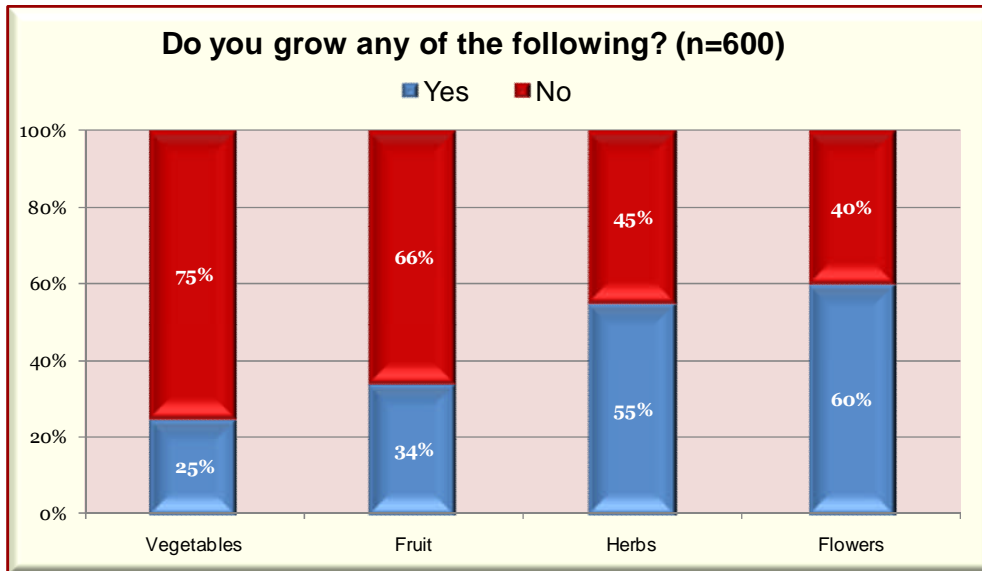
Graph 2.2 indicates that just over a quarter of respondents claimed to fall into the category of “I would love to garden more but have limited opportunities”. These presumably would form a core group of potential community gardeners should more gardens be available.

As one would expect, those in apartments were significantly more likely to be seek additional gardening opportunities than those in detached houses (at 35 and 22 per cent respectively – see Table 2.2). Among those without existing gardens (Table 2.3), 38 per cent said they would love to garden more against 47 per cent with little or no interest.

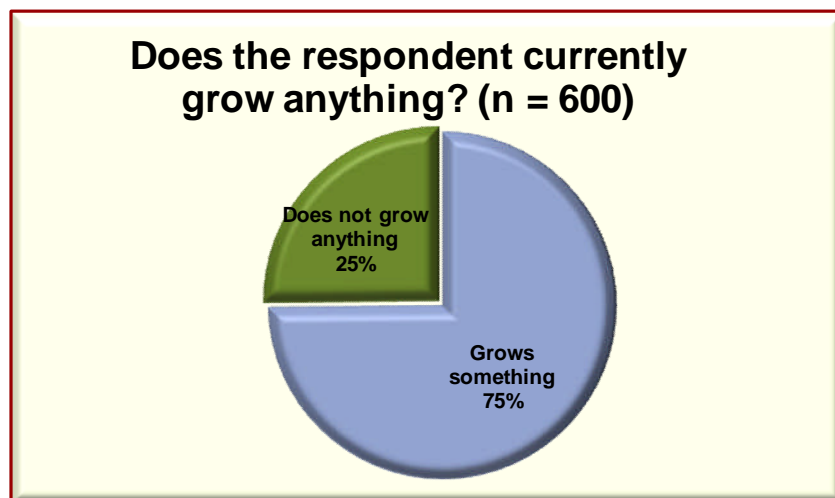
And females were significantly more likely than males to express the view that they would love to garden more but had limited opportunities.

Finally in this section, we asked respondents whether they currently grew vegetables, fruits, herbs or flowers:

**Graph 2.3: Do you currently grow any of the following?**



**Graph 2.3a: Does the respondent currently grow anything?**



Responses ranged from the 25 per cent of respondents growing one or more type of vegetable<sup>8</sup>, up to 60 per cent claiming to grow flowers.

In all, 75 per cent of respondents claimed to grow something. This included 82 per cent of those living in detached houses, and 53 per cent of those in apartments.

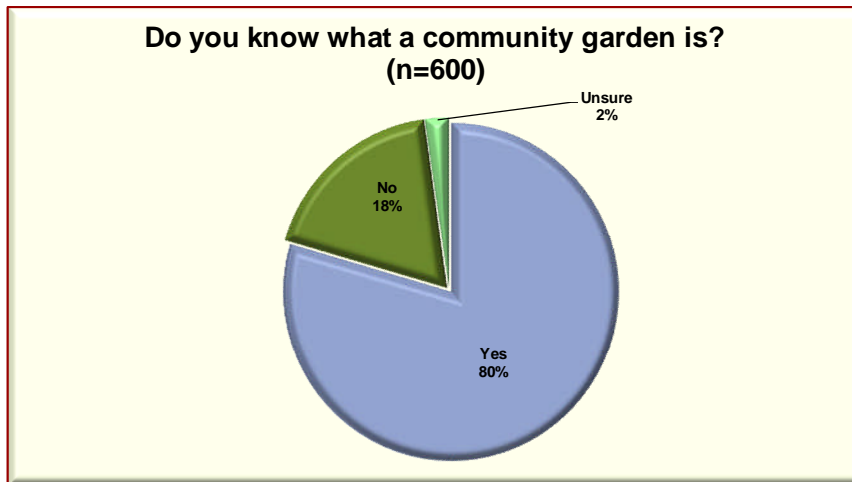
While this question did not attempt to measure frequency or intensity of home gardening, it does suggest at least a widespread interest in the activity.

<sup>8</sup> Note that while tomatoes are strictly speaking a fruit, researchers were asked to classify these as vegetables for the purposes of usage and consistency

### Section 3: Attitudes to community gardens

At this point in the survey the topic of community gardens was introduced. Respondents were asked firstly whether they knew what a community garden was, with 80 per cent answering in the affirmative.

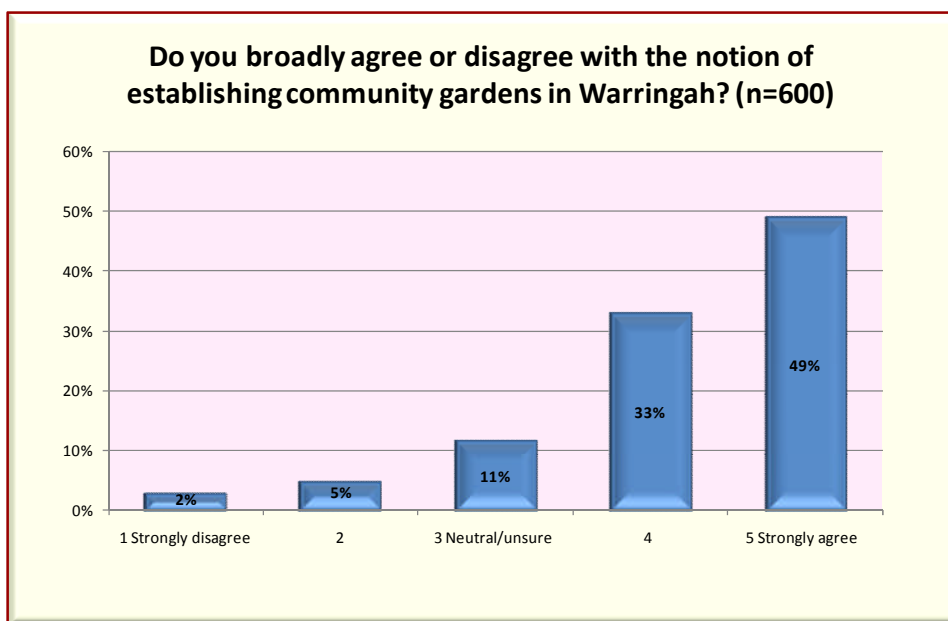
**Graph 3.1: Do you know what a community garden is?**



To ensure everyone was working off the same information, we then provided all respondents with a neutrally-worded, council-supplied definition. This noted that **“community gardens are areas of public space where community members grow food and other plants. These gardens are generally operated and managed by a community-based volunteer committee.”**

Residents were then asked how strongly they agree or disagreed with the notion of establishing community gardens in Warringah , using a 5-point scale:

**Graph 3.2: How strongly do you agree or disagree with the notion of establishing community gardens in Warringah?**



**Table3.1: Significant differences in agreement between different respondent groups**

Variable	Mean agreement score for this group	Mean agreement score for remainder
Respondents who grow something	4.32	3.90
Females	4.29	4.13
Those who know what a community garden is	4.31	3.81
Those aware of the existing community garden (Manly Vale)?*	4.44	4.14
Respondents living in Ward B	4.31	4.13

(\* N.B. Knowledge of Warringah’s existing community garden is explored in Section 4, below)

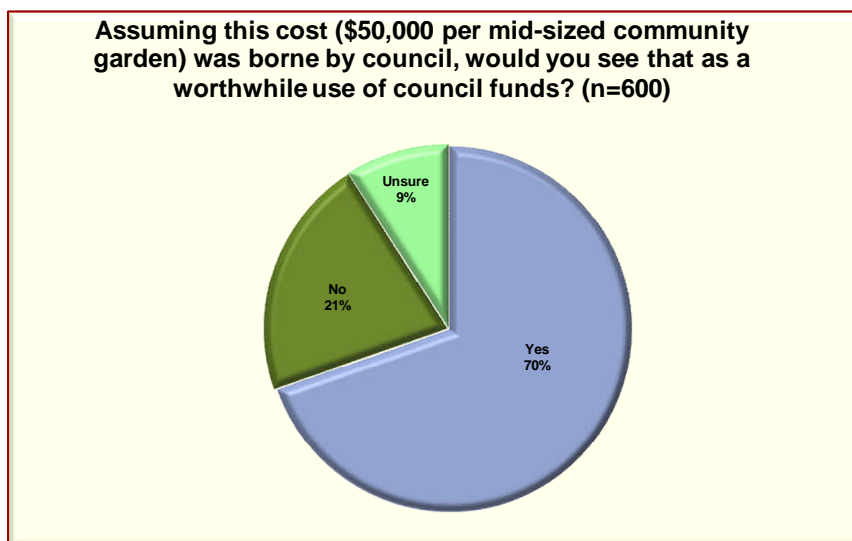
Using a 5-point agreement scale (i.e. where 1 = strongly disagree and 5 = strongly agree), 49 per cent of respondents strongly agreed with the notion of establishing community gardens in the LGA, while 33 per cent somewhat agreed: for 82 per cent total agreement. Conversely, just 7 per cent disagreed while the balance were neutral or unsure.

Analysing the mean response by respondent groups (Table 3.1), there were statistically greater support among: women; existing gardeners; those who knew what a community garden was; and those who were aware of Warringah’s existing community garden.

There were no significant differences by type of accommodation, or whether the respondent was a ratepayer. While Ward B respondents were the most supportive, this is likely due to this being the home of the existing community garden.

Respondents were then informed that **“the ongoing costs of community gardens are partially funded by the users, who pay a small annual membership fee. However the cost of establishing a mid-sized community garden would be of the order of \$50,000. Assuming this cost was borne by Council, would you see that as a worthwhile use of Council funds?”**

**Graph 3.3: Assuming the cost (of establishing a community garden) was borne by Council, would you see this as a worthwhile use of Council funds?**



Seventy per cent of respondents remained supportive of the community garden concept even with a (nominal) \$50,000 per garden establishment cost. This included a statistically significant 77 per cent of Ward B residents (against 63 and 67 per cent of those in Wards A and C respectively), and 75 per cent of those already growing something (against 54 percent of those who didn't).

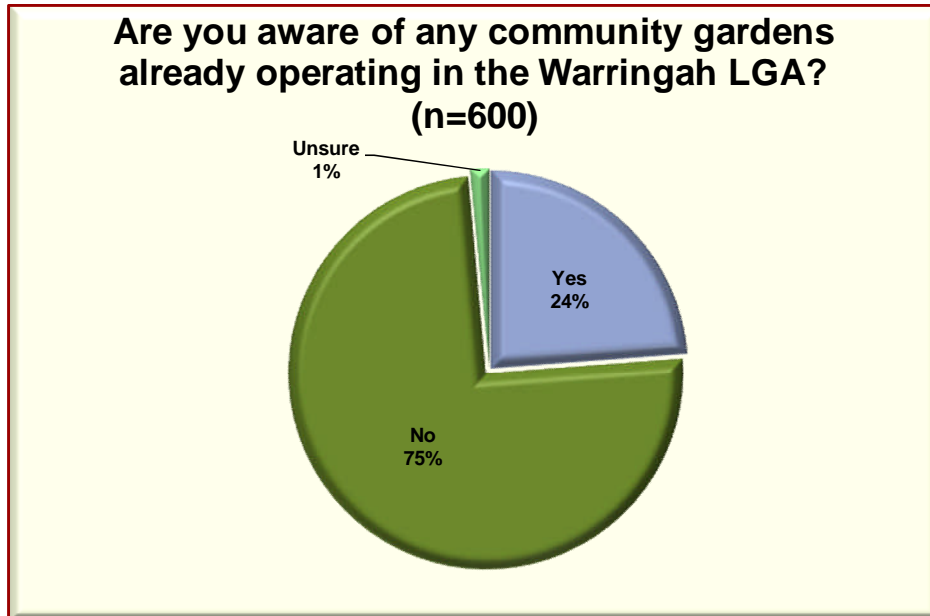
There was no such difference by age, gender or accommodation type.

These results suggest solid and broad-based support for the community garden concept, without necessarily implying that those supporting the idea would actually use such a facility. (For that See Section 5: *Likely use and location/s*)

## Section 4: Knowledge of the Manly Vale community garden

Respondents were also asked whether they were aware of any existing community gardens in Warringah.

**Graph 4.1: Are you aware of any community gardens already operating in the Warringah LGA?**



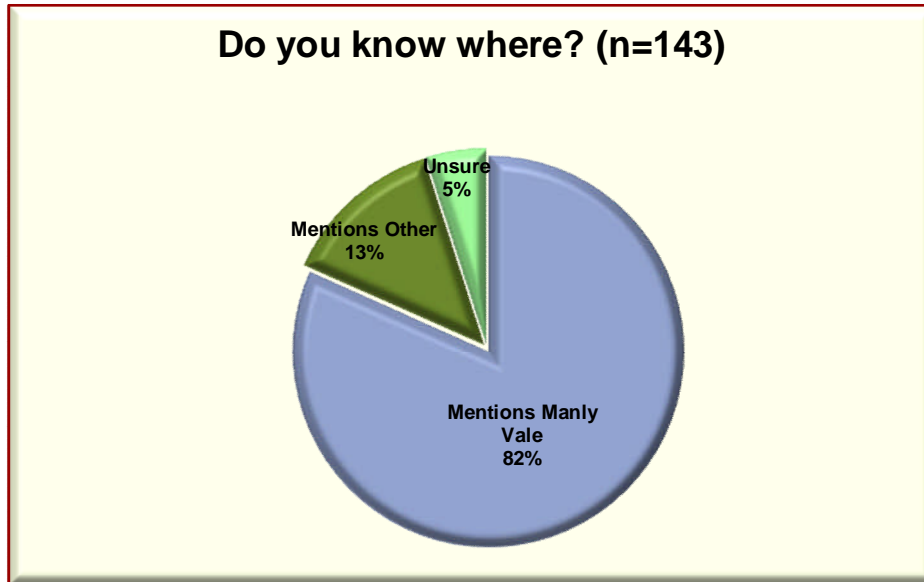
**Table 4.1: Awareness of a community garden, by ward**

			Wards			Total
			Ward A	Ward B	Ward C	
Are you aware of any community gardens already operating in Warringah	Yes	Count	32	100	10	142
			12.5%	39.1%	11.2%	23.7%
	No	Count	223	153	73	449
			87.5%	59.8%	82.0%	74.8%
	Unsure	Count	0	3	6	9
			.0%	1.2%	6.7%	1.5%
Total		Count	255	256	89	600
			100.0%	100.0%	100.0%	100.0%

Just under one-quarter of all respondents claimed awareness of any community gardens in the Warringah LGA. As one would expect, awareness was significantly higher in Ward B (home of the Manly Vale garden).

Those who answered “yes” were then asked if they knew where it was, to test their awareness of the Manly Vale Community Garden (opened in September 2010).

**Graph 4.2: (If yes) Do you know where?**



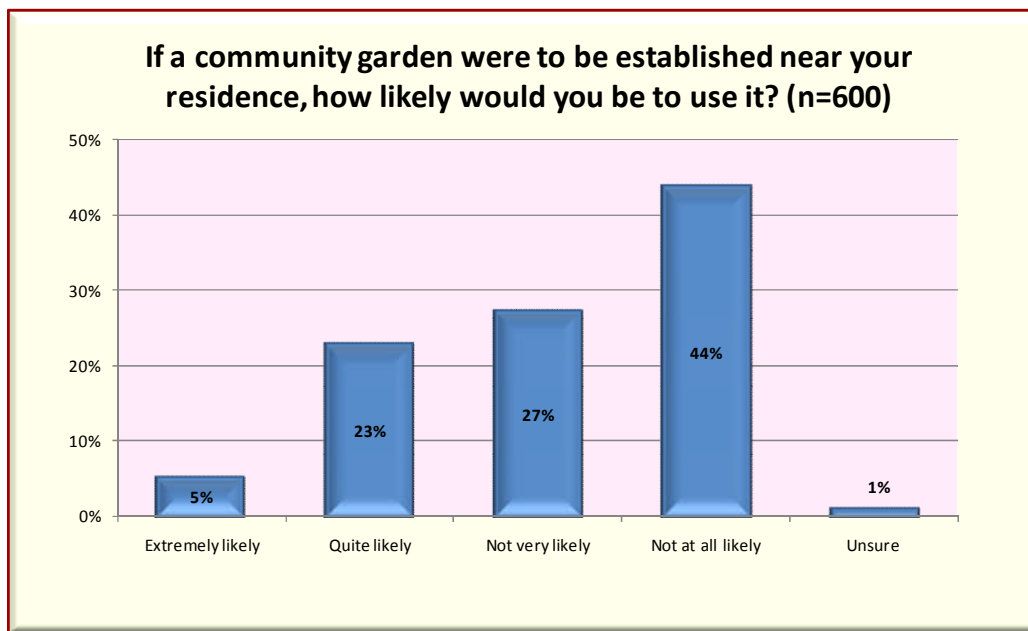
Of those claiming some awareness, 82 per cent correctly identified Manly Vale (in an unprompted question) as the location. Based on random sampling error for a sample size of 600, this suggests that approximately 20 per cent<sup>9</sup> (+/-4 per cent) of the Warringah adult population has some awareness of the Manly Vale community garden.

<sup>9</sup> i.e. 82 per cent of 24 per cent

## Section 5: Likely use and location/s

To test potential patronage, respondents were asked how likely they would be to use a community garden were one to be established near their residence. The results are shown in Graph 5.1, below, and then broken down by “likely vs. unlikely” for: attitude to gardening; age; gender; and whether the respondent currently has access to a private or communal garden (Tables 5.1a-5.1d<sup>10</sup>):

**Graph 5.1: If a community garden were to be established near your residence, how likely would you be to use it?**



**Table 5.1a: Likelihood of using community garden, by attitude to gardening**

		Best describes you				Total
		I am a keen gardener	I look after my own garden as required	I would love to garden more but have limited opportunities	I have little or no interest in gardening	
Likely	Count	42	40	65	23	170
		46.2%	18.3%	41.7%	18.1%	28.7%
Unlikely	Count	49	179	91	104	423
		53.8%	81.7%	58.3%	81.9%	71.3%
<b>Total</b>	Count	91	219	156	127	593
		100.0%	100.0%	100.0%	100.0%	100.0%

<sup>10</sup> N.B. Sample size ignores 7 respondents who were “unsure”. Note that sample sizes by category may vary slightly from table to table due to rounding caused by weighting of data.

**Table 5.1b: Likelihood of using community garden, by age**

		Age range				Total
		16-44	45-64	65+		
Likely	Likely	Count	85	62	22	169
			33.5%	29.8%	16.8%	28.5%
Unlikely	Unlikely	Count	169	146	109	424
			66.5%	70.2%	83.2%	71.5%
<b>Total</b>		Count	254	208	131	593
			100.0%	100.0%	100.0%	100.0%

**Table 5.1c: Likelihood of using community garden, by gender**

		Gender		Total	
		Male	Female		
Likely	Likely	Count	66	104	170
			22.8%	34.2%	28.6%
Unlikely	Unlikely	Count	224	200	424
			77.2%	65.8%	71.4%
<b>Total</b>		Count	290	304	594
			100.0%	100.0%	100.0%

**Table 5.1d: Likelihood of using community garden, by access to a private or communal garden**

		Access to a private or communal garden?		Total	
		Yes	No		
Likely	Likely	Count	139	30	169
			26.5%	44.8%	28.5%
Unlikely	Unlikely	Count	386	37	423
			73.5%	55.2%	71.5%
<b>Total</b>		Count	525	67	592
			100.0%	100.0%	100.0%

Only 5 per cent of respondents said they would be “extremely likely” to use a community garden were it to be established near their home, with a further 23 per cent saying it would be “quite likely”. A further 71 per cent said they were unlikely or very unlikely to use such a facility.

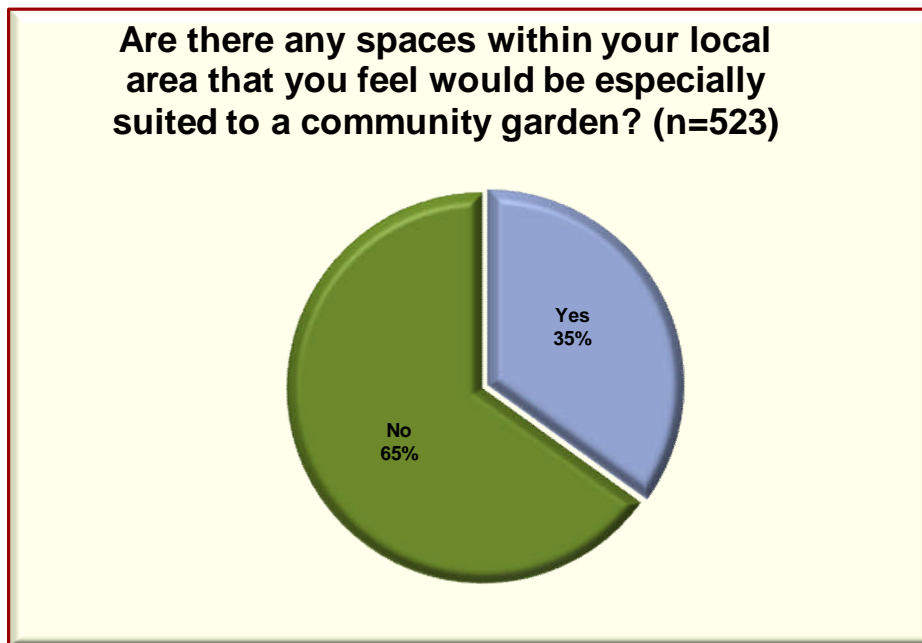
As shown in the accompanying tables, results varied significantly by the respondent’s attitude to gardening. Some 46 per cent of keen gardeners and 41 per cent of those who “love gardening but have limited opportunities” said they would be likely to use a community garden. So did:

- 34 per cent of those aged 16-44;
- 34 per cent of females; and
- 45 per cent of those without access to a private or communal garden.

This suggests that there is demand for community gardens among specific sections of the community. (As an aside, it would be interesting to note how the profile above corresponds with actual membership of the Manly Vale community garden.)

Those who agreed with the notion of establishing community gardens in Warringah were also asked if there were any spaces within their local area that they felt would suit such a facility:

**Graph 5.2: Are there any spaces within your local area that you feel would be especially suited to a community garden?**

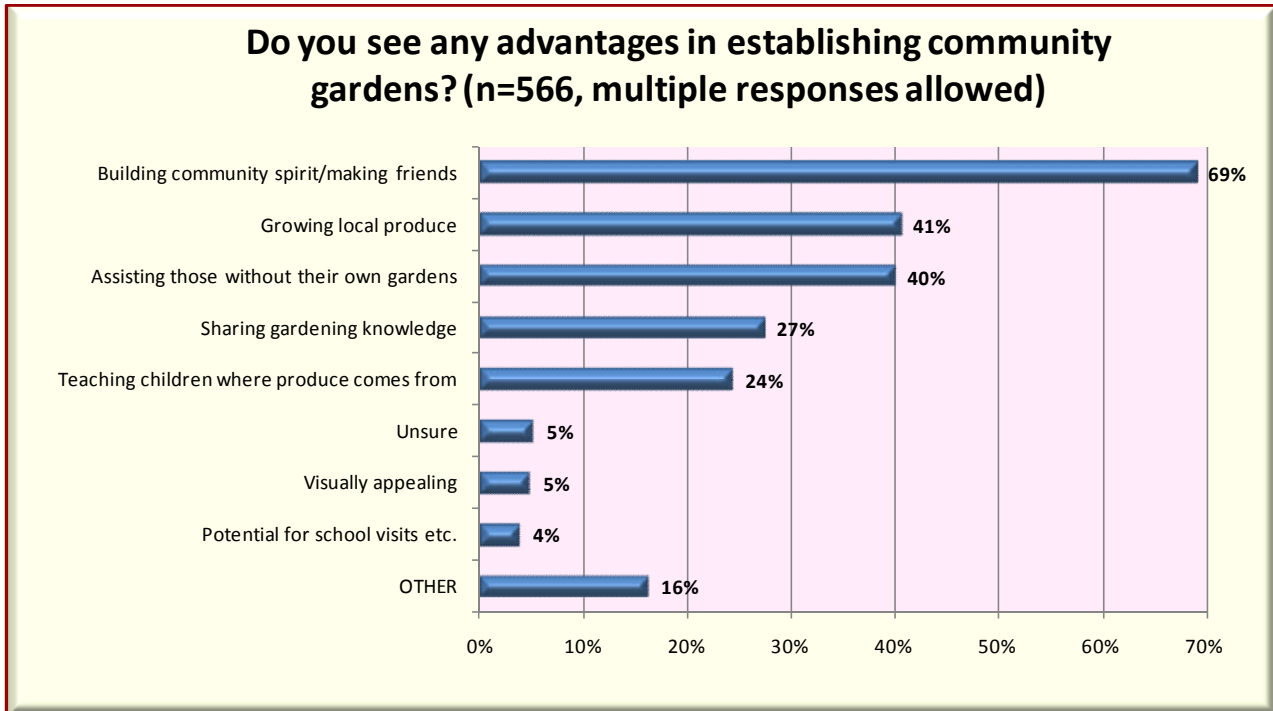


Those answering yes were asked a follow-up question inviting them to nominate one or more such spaces. Their responses are shown (verbatim, by respondent ward and suburb) in Appendix 4 to this report.

## Section 6: Advantages and disadvantages

The survey concluded with all respondents being asked (in an unprompted question) if they saw any particular advantages in establishing community gardens:

**Graph 6.1: Do you see any advantages in establishing community gardens?**

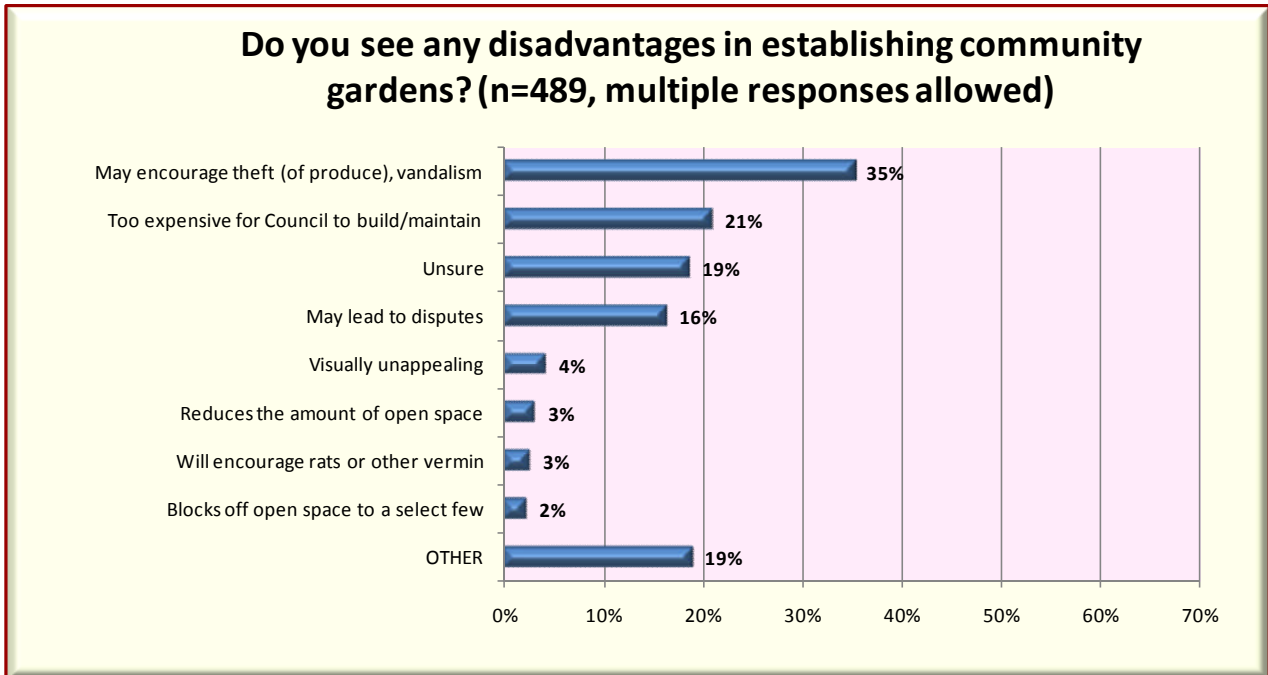


Interestingly the community interaction benefits outweighed the actual growth of local produce in the minds of respondents, raised by 69 and 41 per cent respectively.<sup>11</sup> Assisting those without their own garden, sharing gardening knowledge and teaching children where produce comes from were also popular options.

Respondents were then asked if they saw any disadvantages. A summary of the (unprompted) responses is shown in Graph 6.2, below:

<sup>11</sup> Of people choosing to answer this question

**Graph 6.2: And what about disadvantages?**



Respondents had a harder time articulating possible disadvantages, with 35 per cent suggesting the possibility of produce theft or vandalism, and 21 per cent concerned about the gardens’ cost implications. Sixteen per cent were also concerned it may lead to disputes between members, or between members and non-members.

Among “other”, a number of respondents were concerned that community gardens would begin with a burst of enthusiasm but that this would dwindle and the gardens become run down as users discovered how difficult and/or time-consuming gardening can be.

## Appendix 1: Survey

### Version 1 Warringah\_revised

Last modified: 7/07/2011 4:34:17 PM

- Q1. Good afternoon/evening, I'm calling from Jetty Research on behalf of Warringah Council. Council is conducting a research survey to understand community views on two topics of local interest, and you have been randomly selected to participate. The survey takes 10 minutes or less, and all your answers are confidential. Would you be willing to assist Council with your views on two important local issues this afternoon/evening?

*The two topics will be revealed during the survey, to avoid biasing the response base. Offer a CALL BACK if inconvenient time*

Yes	1
No	2

Q1

*Answer Q2 only if Attribute "No" from Q1 is SELECTED*

- Q2. Thank you for your time. Have a good afternoon/evening.

**End**

- Q3. Before we commence I just need to confirm that you are aged 16 or more?

*Ask if there is anyone else available to speak to over 16*

Yes	1
No	2

Q3

*Answer Q4 only if Attribute "No" from Q3 is SELECTED*

- Q4. I'm sorry but you must be aged 16 or over to participate in this survey. Thank you for your time.

**End**

- Q5. And what suburb do you live in?

**UNPROMPTED**

Allambie/Allambie Heights	1
Beacon Hill	2
Belrose	3
Brookvale	4
Collaroy/Collaroy Plateau	5
Cottage Point	6
Curl Curl/South Curl-Curl	7
Cromer	8
Davidson	9
Dee Why	10
Duffy's Forest	11
Forestville	12
French's Forest	13
Freshwater	14
Ingleside	15
Killarney Heights	16
Ku-Ring-Gai Chase	17
Manly Vale	18
Narrabeen	19
Narraweena	20
North Balgowlah	21
North Curl Curl	22
North Manly	23
Oxford Falls	24
Terrey Hills	25
Wheeler Heights	26
Other	27

Q5

*Answer Q6 only if Attribute "Other" from Q5 is SELECTED*

**Q6.** I'm sorry but your suburb doesn't qualify to participate in this survey. Thank you for your time, and have a good afternoon/evening.

**Q7.** Are you or a direct member of your family a councillor or permanent employee with Warringah Council?

**UNPROMPTED**

Yes	1
No	2

Q7

*Answer Q8 only if Attribute "Yes" from Q7 is SELECTED*

**Q8.** I'm sorry in that case you are unable to participate in this survey. Thank you for your time.

**End**

Q9. And how long have you lived in the Warringah area?

*PROMPTED if necessary*

Less than 6 months	1
6 months - 2 years	2
3-5 years	3
6-10 years	4
More than 10 years	5

Q9

*Answer Q10 only if Attribute "Less than 6 months" from Q9 is SELECTED*

Q10. I'm sorry, for this particular survey we need to speak with people who have lived in the Warringah LGA for more than 6 months. Thank you for your time, and have a good afternoon/evening.

End

Q11. And which of the following best describes your place of residence?

*PROMPTED*

Detached house ( stand alone)	1
Semi-detached house or townhouse	2
Flat, unit or apartment	3

Q11

Q12. Fantastic, lets proceed. May I have your first name for the survey please?

*Type NA if not willing to give name.*

Q12

Q13. Thanks so much [Q12], to start we have a few questions about gardens. Do you have access to a private or communal garden in your home?

*UNPROMPTED*

Yes	1
No	2
Unsure	666

Q13

Q14. Which of the following best describes you?

**PROMPTED**

I am a keen gardener	1
I look after my own garden as required	2
I would love to garden more but have limited opportunities	3
I have little or no interest in gardening	4

Q14

Q15. Do you currently grow any of your own:

**PROMPTED**

	Yes	No
Flowers	1	2
Herbs	1	2
Fruit	1	2
Vegetables	1	2

Q15\_1

Q15\_2

Q15\_3

Q15\_4

Q16. Warringah Council is considering the establishment of one or more community gardens in the area. Do you know what a community garden is?

**UNPROMPTED**

Yes	1
No	2
Unsure	666

Q16

Q17. Community gardens are areas of public space where community members grow food and other plants. These gardens are generally operated and managed by a community-based volunteer committee. [Q12], do you broadly agree or disagree with the notion of establishing community gardens in the Warringah shire? As before we will use a 5-point scale, where 1 = strongly disagree, 3 = neutral or unsure and 5 = strongly agree.

**UNPROMPTED. Check that their answer correctly corresponds with scale**

1 Strongly disagree	1
2	2
3 Neutral/unsure	3
4	4
5 Strongly agree	5

Q17

**Q18. The ongoing costs of community gardens are partially funded by the users, who pay a small annual membership fee. However the cost of establishing a mid-sized community garden would be of the order of \$50,000. Assuming this cost was borne by Council, would you see that as a worthwhile use of Council funds?**

**UNPROMPTED . If people ask, small means approx. \$25 a year for a family membership**

Yes	1
No	2
Unsure	666

Q18

**Q19. Are you aware of any community gardens already operating in the Warringah local government area?**

**UNPROMPTED**

Yes	1
No	2
Unsure	666

Q19

**Q20. Do you know where?**

*Answer If Attribute "Yes" from Q19 is SELECTED*

**PROBE**

Mentions Manly Vale	1
Mentions other	2
Unsure	666

Q20\_1

Q20\_2

Q20\_3

**Q21. If a community garden were to be established near your residence, how likely would you be to use it?**

**PROMPTED**

Extremely likely	1
Quite likely	2
Not very likely	3
Not at all likely	4
Unsure	666

Q21

**Q22. Are there any spaces within your local area that you feel would be especially suited to a community garden?**

*Answer If Attribute "Extremely likely" from Q21 is SELECTED OR  
Answer If Attribute "Quite likely" from Q21 is SELECTED*

**UNPROMPTED. Unsure included as NO**

Yes	1	
No	2	Go to Q24

Q22

**Q23. And what would these be?**

***Be as specific as possible -e.g. name of park or reserve, or location in street***

---



---

Q23

**Q24. Do you see any advantages in establishing community gardens?**

**UNPROMPTED - Probe for multiple responses**

Building community spirit/making friends	1	
Teaching children where produce comes from	2	
Growing local produce	3	
Visually appealing	4	
Sharing gardening knowledge	5	
Assisting those without their own gardens	6	
Potential for school visits etc.	7	
Unsure	666	

Q24\_1

Q24\_2

Q24\_3

Q24\_4

Q24\_5

Q24\_6

Q24\_7

Q24\_8

Q24\_O

---



---

**Q25. And what about disadvantages?**

**UNPROMPTED - Probe for multiple responses**

Reduces the amount of open space	1	
Blocks off open space to a select few	2	
May lead to disputes between members, or members vs. non-members	3	
Too expensive for Council to build and/or maintain	4	
Visually unappealing	5	
May encourage theft (of produce), vandalism, other undesirables	6	
Will encourage rats or other vermin	7	
Unsure	666	

Q25\_1

Q25\_2

Q25\_3

Q25\_4

Q25\_5

Q25\_6

Q25\_7

Q25\_8

Q25\_O

---



---

(Questions 26-41 involved questions relating to dogs-off-leash on Warringah beaches: see separate report)

Q42. Thanks [Q12], we're nearly done. Could I just have your age range please. Would it be?

**PROMPTED**

16-24	1
25-34	2
35-44	3
45-54	4
55-64	5
65-74	6
75+	7

Q42

Q43. Gender

**Don't ask**

Male	1
Female	2

Q43

Q44. [Q12], are you a ratepayer within the Warringah Council area?

**UNPROMPTED**

Yes	1
No	2
Unsure	666

Q44

Q45. As a participant in this research, you may be invited to participate in further community consultation such as focus groups, about specific issues. At this stage Council is developing a register of interest for this and future consultations. Would you be interested in registering your interest for dogs-off-leash, community gardens, or other consultation activities?

**Tick any that apply**

Dogs-off-leash	1
Community gardens	2
All consultation activities	3
Not interested	4

Q45\_1

Q45\_2

Q45\_3

Q45\_4

**Q46. Could I please have some contact details please? Note that while these will be supplied to Council, they will be kept entirely separate from your responses to this survey**

*Do not answer If Attribute "Not interested" from Q45 is SELECTED*

***Prefer emails where possible***

Title	1	Q46_1_1
First name	2	Q46_1_2
Surname	3	Q46_1_3
Postal or email address	4	Q46_1_4
Daytime phone	5	Q46_1_5

**Q47. Thanks so much [Q12], that's the end of the survey. Just to let you know my manager might contact you to ensure this survey was conducted correctly. Did you have any questions about the survey at all? Thank you again, and have a good afternoon/evening.**

**End**

## Appendix 2: Survey weighting calculation

It is common in random surveys such as this to weight results by age and gender. This avoids the need to sample by quota (which is far more expensive than purely random sampling), and ensures the data from under- and over-represented groups is adjusted to meet the demographic profile of the survey population.

Population weighting can only occur where the true survey population is known. In this case the population, defined as “adults 16-plus living in the Warringah LGA”, can be accurately measured through the 2006 ABS Census<sup>12</sup>. We can hence weight the survey data by the known population.

To do this we divide the survey sample by gender (male/female) and across four age groups (in this case 16-34, 35-54, 55-74 and 75-plus.) This divides respondents into one of eight age and gender categories, as shown below:

Randomly selected survey respondents by age and gender		
Age	Male	Female
16-34	2.8%	4.2%
35-54	15.0%	29.7%
55-74	17.0%	17.6%
75+	6.5%	7.2%
<b>TOTAL</b>	<b>41.3%</b>	<b>58.7%</b>

Meanwhile ABS data for the adult (16+) population of the Warringah LGA postcode (as per 2006 ABS census, Usual Resident profile), is shown in the following table:

Warringah adult population by age and gender (ABS Census, 2006)		
Age	Male	Female
16-34	12.5%	12.3%
35-54	19.7%	20.4%
55-74	11.7%	12.4%
75+	4.3%	6.8%
<b>TOTAL</b>	<b>48.1%</b>	<b>51.9%</b>

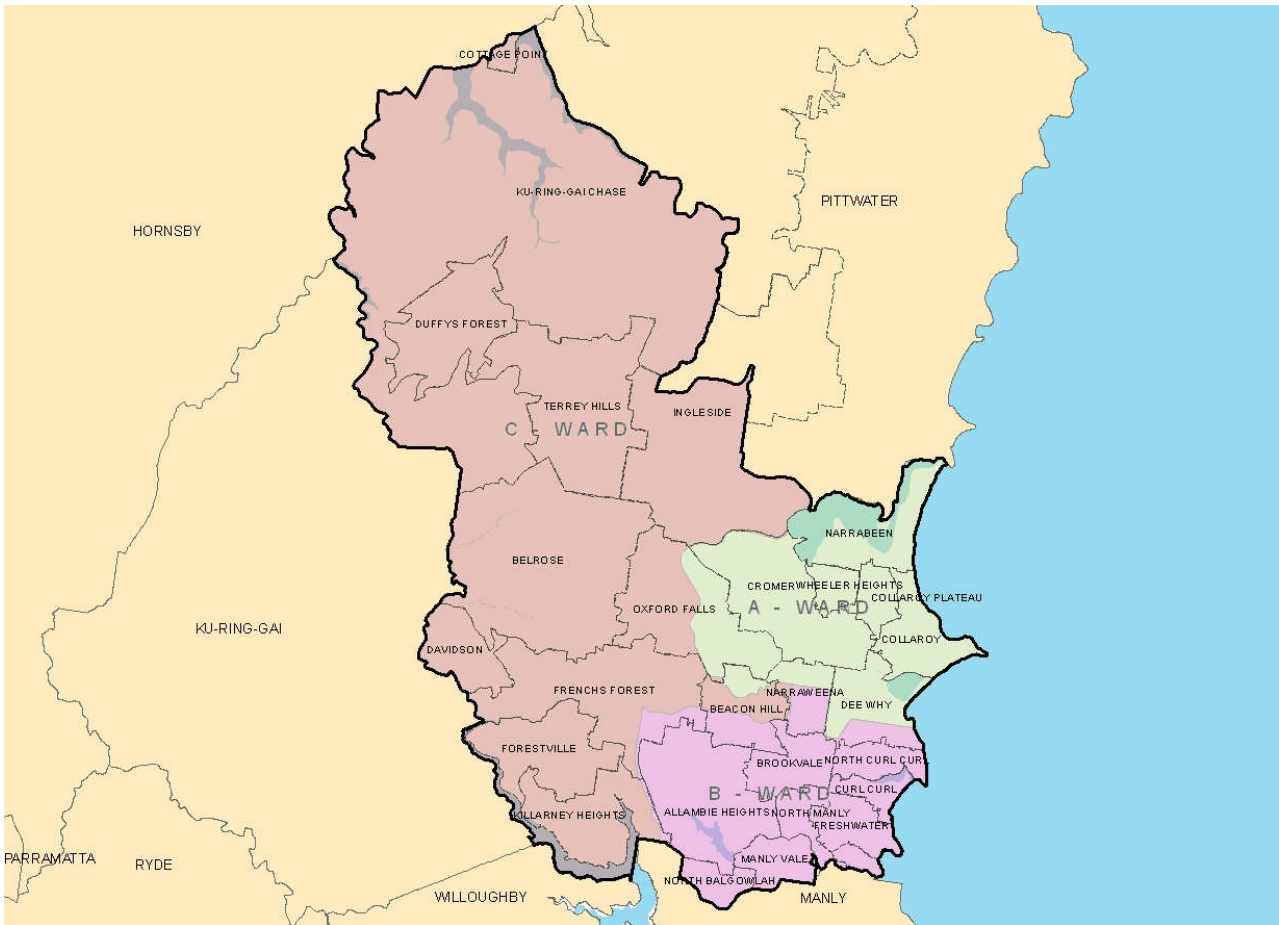
Dividing the “true” population by the sample population for each age and gender category provides the following weighting factors:

Weighting factor by age and gender		
Age	Male	Female
16-34	4.460	2.923
35-54	1.315	0.686
55-74	0.686	0.707
75+	0.654	0.943

These weightings are then assigned to each data record based on each respondent’s age/gender profile, and the raw data for each question is adjusted accordingly.

<sup>12</sup> ABS Census for Warringah LGA, Usual Resident profile.

### Appendix 3: Map of the Warringah LGA, showing wards



## Appendix 4: Suggested spaces for a community garden

Suggestions	Ward	Suburb
Around Narrabeen lake, more open land	Ward A	Collaroy/Collaroy Plateau
A park down Alfred St Turn left a big space	Ward A	Cromer
A park on Ambleside Avenue would be a great spot for a garden	Ward A	Wheeler Heights
A small park	Ward A	Cromer
Adjacent to Dee Why Lagoon, along Richmond Avenue. In Dee Why. Possibly in James Meehan Reserve, behind Dee Why surf Club.	Ward A	Dee Why
Any council land that's not designated as a park	Ward A	Narrabeen
Anywhere along the lake in Narrabeen	Ward A	Narrabeen
Area between Fisher Rd Nth and the Time and Tide Hotel	Ward A	Dee Why
Area bordering Narrabeen lake - bottom of Devitt Street	Ward A	Narrabeen
Area near the soccer field in Cromer	Ward A	Cromer
Around the Dee Why Lagoon	Ward A	Dee Why
Berry Park or Lakeside Park	Ward A	Narrabeen
Between Plateau Rd and Parks Rd Collaroy Plateau	Ward A	Collaroy/Collaroy Plateau
Beverley Job Park, Narrabeena	Ward A	Dee Why
Beverley Job Park, Dee Why	Ward A	Dee Why
Wakehurst Parkway, near the lakes.	Ward A	Narrabeen
Block of land behind Cromer Bowls Club. Huge area of land between Alfred St and Victor Road on Alamein Avenue in Narrabeena. , Land adjacent to Dee Why public school.	Ward A	Cromer
Brookvale Oval	Ward A	Cromer
Campbell Street and South Creek Road, Collaroy	Ward A	Collaroy/Collaroy Plateau
Coutts Crescent end	Ward A	Collaroy/Collaroy Plateau
Creek running off Willandra Rd & Little Willandra Rd	Ward A	Cromer
Cromer Community Centre	Ward A	Dee Why
Cromer Park	Ward A	Collaroy/Collaroy Plateau
Dee Why is a high density area	Ward A	Collaroy/Collaroy Plateau
Dee Why next to the creek as water is already there	Ward A	Dee Why
Dee Why Parade has a vacant lot, and there is a run down park on Howard Avenue which looks quite derelict and a community garden could be established there	Ward A	Dee Why
Down by the lake of Pittwater Road	Ward A	Narrabeen
Edgecliff Boulevard, northern side of Collaroy Plateau School	Ward A	Collaroy/Collaroy Plateau
End of Wabash Avenue in Cromer. It is a big open space near a creek.	Ward A	Cromer
Fielding Street children's playground, Collaroy	Ward A	Collaroy/Collaroy Plateau
Fisher Rd Nth & Pittwater Rd where there is open parkland	Ward A	Cromer
Howard Ave, council-owned properties near Walter Gors (??) park	Ward A	Dee Why

In Oaks Avenue there is a reserve, basically a vacant block of land which is doing nothing	Ward A	Dee Why
In the Manly area	Ward A	Narrabeen
Jamieson Park near the lakes	Ward A	Collaroy/Collaroy Plateau
James Mean Reserve behind the Dee Why Surf Club	Ward A	Dee Why
Jamieson Park, on the lake in	Ward A	Collaroy/Collaroy Plateau
Near Collaroy beach, I would not like to see a native area changed or used as a community garden area	Ward A	Collaroy/Collaroy Plateau
Near surf life saving club a park	Ward A	Dee Why
Near the Salvation Army home near the boy scout hall off Kent St	Ward A	Collaroy/Collaroy Plateau
Oaks Avenue, there is a vacant block, it was allocated for a playground but nothing has eventuated from it.	Ward A	Dee Why
Oaks Avenue vacant land Dee Why	Ward A	Dee Why
Old Frenchs Forest high school grounds	Ward A	Cromer
Open space in front of Cromer Community Centre	Ward A	Cromer
Over the bridge camping ground Narrabeen	Ward A	Narrabeen
Park Collaroy	Ward A	Collaroy/Collaroy Plateau
Park St & Collaroy Plateau	Ward A	Collaroy/Collaroy Plateau
Part of Wingala Reserve. Block of land in The Crescent in Dee Why.	Ward A	Dee Why
Plateau Road, there is a little green area that I feel would suit. Also there is private land that is around Cromer, not sure if it council owned or not though.	Ward A	Collaroy/Collaroy Plateau
Retirement village in Cromer	Ward A	Dee Why
Saint Matthews Farm	Ward A	Cromer
Smaller parks in Stuart Street, Collaroy	Ward A	Collaroy/Collaroy Plateau
Soccer near Cromer High School	Ward A	Wheeler Heights
St Matthews Farm Park and playing fields	Ward A	Wheeler Heights
Terrey Hills / Ingleside bushland	Ward A	Collaroy/Collaroy Plateau
The playground at Dee Why School. Also banks of the South Creek, near the Time and Tide Hotel there is also a suitable area, and the water from the creek could be used to irrigate the gardens.	Ward A	Collaroy/Collaroy Plateau
There are a couple of parks around Long Reef Golf club which may be suitable	Ward A	Collaroy/Collaroy Plateau
There is a clearing where Plateau Road and across the road or corner of Suffolk Ave	Ward A	Collaroy/Collaroy Plateau
Vacant block behind where I live. It is the extension of Collaroy St, currently owned by a green grocer.	Ward A	Collaroy/Collaroy Plateau
Vacant land Oaks Ave Dee Why	Ward A	Dee Why
Vacant lots between Howard Ave and Oaks Ave, Dee Why	Ward A	Dee Why
Vacant section of land on Oaks Avenue	Ward A	Dee Why
???Worrigan???	Ward A	Narrabeen
Park off Amourin St, North Manly	Ward B	North Manly
A park in Anzio Ave Allambie Heights and one at the end of Government Road at Beacon Hill	Ward B	Allambie/Allambie Heights
A small park in William Street, used to be quarry	Ward B	North Manly

A small piece or corridor in John Fisher Park (Curl Curl)	Ward B	North Curl Curl
Abbott Rd Community Centre	Ward B	North Curl Curl
Abbott Rd North Curl Curl	Ward B	North Curl Curl
Across the road from Freshwater campus	Ward B	Curl Curl/South Curl-Curl
Allambie Heights Oval, near tennis courts on Roosevelt Ave	Ward B	Allambie/Allambie Heights
Allambie Road near the Vet	Ward B	Allambie/Allambie Heights
Area around Manly Dam	Ward B	North Balgowlah
Area behind Brookvale Oval - currently occupied by community house	Ward B	Brookvale
Area near (North of) Manly Lagoon	Ward B	Freshwater
Area near John Fisher Park, Curl Curl	Ward B	Curl Curl/South Curl-Curl
Arnhem Road	Ward B	Allambie/Allambie Heights
Around the golf course	Ward B	North Manly
At Brookvale, can't remember streets	Ward B	Curl Curl/South Curl-Curl
Balgowlah North Primary School has some unused land	Ward B	North Balgowlah
Beach Kooloora Ave	Ward B	Freshwater
Beverley Job Park	Ward B	Narraweena
Beverley Job Park	Ward B	Narraweena
Beverly Drive	Ward B	Narraweena
Big park around Curl Curl	Ward B	North Curl Curl
Brookvale, near the scout hall	Ward B	North Manly
Canea Reserve in Canea Cres, Allambie Heights	Ward B	Allambie/Allambie Heights
Condoval Oval seems to be vacant	Ward B	North Balgowlah
District Park	Ward B	Manly Vale
District Park or Nolans Reserve, North Manly	Ward B	North Manly
Disused space Jacka Park, Kenneth Rd, Along the creek from Freshwater High School to Abbott Rd. Thomas St disused land old quarry.	Ward B	Freshwater
Down by the lagoon between the surf club and the lagoon Dee Why	Ward B	North Curl Curl
Everybody's nature strip, Beverley Job Park	Ward B	Narraweena
Freshwater	Ward B	North Manly
Higher density areas, like Dee Why, around the lagoon somewhere, lightly used reserve in the area	Ward B	Curl Curl/South Curl-Curl
In Kenneth Road, opposite soccer fields	Ward B	Curl Curl/South Curl-Curl
In the schools	Ward B	Manly Vale
Jacka Park	Ward B	North Manly
Jacka Park	Ward B	Curl Curl/South Curl-Curl
John Fisher Park	Ward B	Curl Curl/South Curl-Curl
John Fisher Park	Ward B	Freshwater
John Fisher Park	Ward B	North Curl Curl
John Fisher park area in Curl Curl	Ward B	Curl Curl/South Curl-Curl
John Fisher Park Oval, Hinkler Park, Keirle Park, Aitken Reserve, Nolan Reserve, Passmore Reserve. All in North Manly	Ward B	North Manly
Kenneth Rd, just before you hit the golf course there is a kids playground never gets used Cnr Fairway Close	Ward B	Manly Vale

King St Manly Vale less sloping side	Ward B	Manly Vale
King St Park, "King Park", Manly Vale.	Ward B	Manly Vale
Kings St Reserve	Ward B	Manly Vale
Manly dam area	Ward B	North Balgowlah
Manly Reserve open areas would be suitable	Ward B	Allambie/Allambie Heights
Manly Vale golf links	Ward B	Manly Vale
Manly Vale near Miller Reserve and David Thomas Reserve	Ward B	Allambie/Allambie Heights
Narraweena Park, near community centre	Ward B	Narraweena
Near Allambie Oval, there is a scouts hall and tennis court, in behind there, there is some open space.	Ward B	Allambie/Allambie Heights
Near Curl Curl Beach there is a lot of space and where the lake is at the Curl Curl Lagoon	Ward B	North Curl Curl
Near Freshwater Beach, behind Pilu restaurant, reserve.	Ward B	Freshwater
Near Manly Dam Reserve (can't recall street names)	Ward B	North Balgowlah
Near netball courts in Curl Curl	Ward B	Curl Curl/South Curl-Curl
Near netball courts in Harbord Road	Ward B	Brookvale
Near the Manly Vale Primary School for the kids	Ward B	Manly Vale
Near the Curl Curl Lagoon area	Ward B	Curl Curl/South Curl-Curl
Near the expressway	Ward B	North Balgowlah
Near the retirement villages at Allambie	Ward B	Allambie/Allambie Heights
Next to Freshwater council pre-school behind the grass strip on the left hand side of the bottle shop in Freshwater, behind the scout hall in Freshwater	Ward B	North Curl Curl
Nolans Reserve or local public schools	Ward B	North Manly
Nolans Reserve, North Manly, or the reserve near the soccer fields between Pittwater Rd and Grafton Cres, Dee Why.	Ward B	North Manly
Off Government Road, Allambie, right at the end.	Ward B	Allambie/Allambie Heights
On Headland Rd-opp Parr Ave, Wingala reserve	Ward B	North Curl Curl
On Jennifer Avenue in Allambie Heights, there is a large green area.	Ward B	Allambie/Allambie Heights
Open space would be ideal at Jacka (??) Park or at near the golf course	Ward B	Freshwater
Park at the bottom Kings St near a little playground	Ward B	Manly Vale
Park in Lyly Road vacant bit of council land.	Ward B	Allambie/Allambie Heights
Jacka Park at Freshwater	Ward B	Freshwater
Park on Oliver street and Soldiers Ave, Freshwater	Ward B	Freshwater
Park/Reserve end of Corella St cnr Brighton and Park Sts	Ward B	Curl Curl/South Curl-Curl
Parkland with spare areas i.e. Nolan Park, Graham Reserve, Pittwater Road, Hinkler Park	Ward B	Manly Vale
Part of the golf course area Pittwater Rd	Ward B	North Manly
Passmore Oval-Manly Vale	Ward B	Manly Vale
Playing fields on Abbott Road	Ward B	North Curl Curl
Quarry in Amourin St Reserve	Ward B	North Manly
Quarry Reserve	Ward B	North Manly
Quarry Reserve -corner of Thomas and Quilpy St, Nth Manly	Ward B	North Manly
Reserve on Arnhem Road	Ward B	Allambie/Allambie Heights

Reserve on King street	Ward B	Manly Vale
Seaforth	Ward B	North Balgowlah
Some areas before you get into the bushland areas around the back of Park Parade or around the area of McIntosh street	Ward B	Narraweena
Street where park removed from	Ward B	Narraweena
There are places which are near but not a part of the National Park (Manly Dam park).	Ward B	North Balgowlah
There are some reserve areas as a part of St Matthews Farm Reserve (near the playing ovals) where there is currently thick vegetation, if this was cleared it could be suitable	Ward B	Narraweena
There is a big space at the top of Binalong and Jennifer Street	Ward B	Allambie/Allambie Heights
Top end of Water Reserve Road, behind the houses, bordering on Manly Dam. Parklands of Manly Dam behind the houses.	Ward B	North Balgowlah
Wandella Reserve, Allambie	Ward B	Allambie/Allambie Heights
Waste space near the high school	Ward B	North Manly
Wasteland area near Lawrence St	Ward B	Freshwater
Wyndora Road there is a large park, with playing fields, this area may be appropriate. (In Freshwater)	Ward B	Freshwater
Wingala Reserve on Headland Road	Ward B	North Curl Curl
Woolgoolga Play Ground area or Yamba Street Reserve	Ward B	North Balgowlah
Wyarama Street Park	Ward B	Allambie/Allambie Heights
7 metres either side of the Water Park that backs onto Parni Place Frenchs Forest.	Ward C	Frenchs Forest
A little reserve which has got a useless playground so would be perfect on Starkey St and Shamrock Parade	Ward C	Killarney Heights
A park in Richter Crescent, which is a park that is run down	Ward C	Davidson
A small park on Cooyong Road	Ward C	Terrey Hills
Any parks or plots of land that are unused. Can't be more specific.	Ward C	Frenchs Forest
Area around Killarney primary school	Ward C	Killarney Heights
At the end of Ralston Ave near the bush	Ward C	Belrose
Between an oval and our house	Ward C	Belrose
Cnr of Forest Way and Prince Charles Rd	Ward C	Belrose
Could be part of a park like Kirribilli has. It works very well.	Ward C	Forestville
Dee Why, Hawkesbury avenue	Ward C	Forestville
Forestville Primary School	Ward C	Forestville
Gilles Park	Ward C	Beacon Hill
Karina Reserve	Ward C	Belrose
Local esplanade where there are swings and a pond for ducks, this may be a nice area for that purpose "The Esplanade"	Ward C	Frenchs Forest
Melwood Ave Forestville	Ward C	Forestville
Near Elm St, there is a vacant area. Originally going to be a road, that was cancelled, there was talk of it being a playing field. (In Belrose)	Ward C	Belrose
Next to Elm St & Pringle Ave, Belrose	Ward C	Belrose
Nurseries and vacant land which is a corridor	Ward C	Belrose

On Pringle Ave	Ward C	Belrose
Park at the end of Government Ave. And also at Brooker Ave, but might not get enough sun	Ward C	Beacon Hill
Passageway for proposed road that has never been used from North Balgowlah to St Ives	Ward C	Belrose
Paxton St, Frenchs Forest	Ward C	Frenchs Forest
Plenty of land in Ingleside but no water and lots of native animals	Ward C	Ingleside
Public park land	Ward C	Frenchs Forest
Reserve at the back of Hews Parade,	Ward C	Belrose
Reserve on ??Kayle Crescent??	Ward C	Frenchs Forest
Rounce Avenue close to the park	Ward C	Forestville
Small reserve near house	Ward C	Belrose
Spare blocks of land in Killarney Heights, which could be used to be made nice.	Ward C	Killarney Heights
Terrey Hills, area near Ulong street	Ward C	Terrey Hills
The end of Ralston Rd in Belrose - the open / wooded area	Ward C	Belrose
Vacant block at the bottom of Nandi Ave, Frenchs Forest,	Ward C	Frenchs Forest
Wareham Reserve on Forest Way & Greendale Ave there is a reserve	Ward C	Frenchs Forest