

6. Please tell us how much you agree or disagree with the following statements, by circling the number that best represents your opinion.

| OPINION STATEMENTS   | Strongly Disagree | Tend to Disagree | Neutral | Tend to Agree | Strongly Agree |
|--|-------------------|------------------|---------|---------------|----------------|
| - there is no need for limits or regulations to control visitor numbers to these islands | 1                 | 2                | 3       | 4             | 5              |
| - visitors should be free to walk and explore wherever they want on the islands          | 1                 | 2                | 3       | 4             | 5              |
| - visitors should walk only on specially provided tracks                                 | 1                 | 2                | 3       | 4             | 5              |
| - visitors should view wildlife only from specially provided sites                       | 1                 | 2                | 3       | 4             | 5              |
| - information signs about island environments and wildlife should be provided            | 1                 | 2                | 3       | 4             | 5              |
| - basic toilet and shelter facilities should be available on the islands                 | 1                 | 2                | 3       | 4             | 5              |
| - some visitors should be allowed to stay onshore overnight in huts or camps             | 1                 | 2                | 3       | 4             | 5              |
| - when on the islands, people should be in a few small groups, not one big one           | 1                 | 2                | 3       | 4             | 5              |
| - visitors should have guides with them at all times while on the islands                | 1                 | 2                | 3       | 4             | 5              |
| - visitors should be allowed to get closer to wildlife than the 5 metre limit            | 1                 | 2                | 3       | 4             | 5              |
| - visitors should take all their own rubbish off the islands when they leave             | 1                 | 2                | 3       | 4             | 5              |
| - clothing/bags should be checked to prevent introduction of foreign plants/animals      | 1                 | 2                | 3       | 4             | 5              |
| - some wildlife should be available for close-up viewing and photography                 | 1                 | 2                | 3       | 4             | 5              |
| - all visits should include nature education about the plants and wildlife               | 1                 | 2                | 3       | 4             | 5              |
| - all visitor groups should have their own safety equipment with them                    | 1                 | 2                | 3       | 4             | 5              |
| - visitors should be allowed to take small approved items as mementos of their visits    | 1                 | 2                | 3       | 4             | 5              |
| - meeting Conservation staff/Scientists is an important part of this trip                | 1                 | 2                | 3       | 4             | 5              |

7. Could your visit to the Subantarctic Islands have been improved?

YES     NO    (If YES, how?)

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8. Did you learn anything important about Conservation from your experiences on this trip?

YES    NO   (If YES, what did you learn?)

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9. Please tell us a little about yourself so we can get a better description of visitors to the Subantarctic Islands, and match Part 2 with Part 1 of the questionnaire (tick boxes and write in spaces below).

● AGE                      ● SEX                      ● OCCUPATION

- < 19 years
- 20-29
- 30-39
- 40-49
- 50-59
- 60 + years

- Male
- Female

\_\_\_\_\_

● HOME COUNTRY

\_\_\_\_\_

● Are you a member of any Conservation/Environment groups?    YES    NO

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Thank you for your time and input, we appreciate it a lot. Your contributions will help with the future well-being of these islands. If you have any further comments or suggestions, please use the space provided below. Thank you.

### CONCLUDING COMMENTS

**APPENDIX 2**  
**PREVIOUS POLAR EXPERIENCE OF VISITORS**

Approximately 30% of visitors had previous experience of visiting polar or sub-polar regions. Most of this experience was confined to 1 or 2 trips, most often to the Antarctic Peninsula regions. Small vessel passengers had greater previous experience in the subantarctic islands, possibly reflecting their higher proportion of New Zealanders.

Table A2.1: Previous Visiting Experience

| EXPERIENCE CHARACTERISTICS<br>(total n=411, large n=255, small n=156) |                       | TOTAL<br>SAMPLE | Large Vessels | Small Vessels |
|---|-----------------------|-----------------|---------------|---------------|
| PREVIOUS VISITS   | Yes                   | 30              | 32            | 28            |
|   | No                    | 70              | 68            | 72            |
| NUMBER OF VISITS  | 1 trip                | 60              | 62            | 54            |
|   | 2-5 trips             | 34              | 31            | 41            |
|   | > 5 trips             | 6               | 7             | 4             |
| SITES   | Antarctic (peninsula) | 44              | 50            | 42            |
|   | Arctic regions        | 15              | 12            | 26            |
|   | NZ Subantarctic       | 11              | 6             | 19            |
|   | Aust. Subantarctic    | 3               | 4             | 2             |
|   | Other Subantarctic    | 5               | 5             | 8             |
|   | Antarctic (Ross Sea)  | 6               | 5             | 8             |
|   | Antarctic (other)     | 3               | 0             | 8             |
|   | Most of the above     | 22              | 27            | 11            |

**APPENDIX 3**  
**DETAIL OF REASONS FOR COMING ON TRIP**

These are the categories used to code the responses summarised in Table 2 (Section 3), and some discussion in Section 3 refers to these categories.

Table A3.1: Reasons for coming on this trip

| REASONS FOR COMING ON TRIP<br>(The cumulative % indicating each reason amongst their three choices) | TOTAL<br>%<br>(n=406) | All large<br>vessels<br>(n=247) | All small<br>vessels<br>(n=159) |
|---|-----------------------|---------------------------------|---------------------------------|
| - Part of trip schedule/with tour   | 8                     | 12                              | 2                               |
| - Opportunity for trip/once in a lifetime/always wanted to visit                                    | 15                    | 16                              | 14                              |
| - Never been to this area before  | 18                    | 19                              | 17                              |
| - Other people recommended a trip to this area  | 6                     | 5                               | 6                               |
| <b>TOTAL - The opportunity provided by this trip</b>  | <b>47</b>             | <b>52</b>                       | <b>39</b>                       |
| - Observing birds/birdwatching in natural habitat   | 8                     | 6                               | 18                              |
| - Experiencing birdlife and behaviour close-up  | 2                     | 0                               | 4                               |
| - Seeing specific bird species/endangered species   | 6                     | 2                               | 11                              |
| - Experiencing birdlife numbers and variety   | 1                     | 0                               | 3                               |
| <b>TOTAL - The specific birdlife attractions</b>  | <b>17</b>             | <b>8</b>                        | <b>36</b>                       |
| - Observing wildlife in natural habitat   | 12                    | 11                              | 13                              |
| - Experiencing unique numbers and variety of wildlife   | 1                     | 1                               | 2                               |
| - Seeing specific wildlife species/endangered species   | 1                     | 1                               | 1                               |
| - Experiencing and observing marine life features   | 2                     | 0                               | 2                               |
| <b>TOTAL - The specific wildlife attractions</b>  | <b>15</b>             | <b>13</b>                       | <b>18</b>                       |
| - Seeing unique flora/plants  | 3                     | 2                               | 24                              |
| - Seeing/experiencing unique flora/fauna/ecology/nature   | 14                    | 7                               | 11                              |
| <b>TOTAL - The ecology and nature experience attractions</b>  | <b>17</b>             | <b>9</b>                        | <b>35</b>                       |
| - Remote/isolated setting   | 6                     | 3                               | 6                               |
| - Untouched/unspoilt/undisturbed natural setting  | 5                     | 5                               | 3                               |
| - Experiencing scenery and views  | 7                     | 9                               | 11                              |
| - Having unique experiences/personal feelings   | 12                    | 12                              | 1                               |
| - Site-specific comments  | 4                     | 2                               | 6                               |
| <b>TOTAL - The unique setting attractions</b>   | <b>34</b>             | <b>31</b>                       | <b>27</b>                       |
| - Educational/learning opportunities  | 5                     | 5                               | 2                               |
| - Social contact/meeting other people opportunities   | 1                     | 0                               | 4                               |
| <b>TOTAL - The social and educational opportunities</b>   | <b>6</b>              | <b>5</b>                        | <b>6</b>                        |
| <b>TOTAL - The cultural and historical attractions</b>  | <b>8</b>              | <b>9</b>                        | <b>4</b>                        |
| <b>TOTAL - Simply to visit Antarctica</b>   | <b>30</b>             | <b>46</b>                       | <b>5</b>                        |
| <b>TOTAL - Simply to visit the Subantarctic</b>   | <b>19</b>             | <b>14</b>                       | <b>25</b>                       |
| <b>TOTAL - Other</b>  | <b>19</b>             | <b>14</b>                       | <b>24</b>                       |

**APPENDIX 4  
DETAIL OF PRE-VISIT EXPECTATIONS**

These tables present the complete categories used to code the responses to the pre-visit questions about positive and negative expectations of island visits comprising those features of island visits anticipated to be those most and least enjoyed. They form the basis for the summary tables presented in Section 4.3 (positive) and 5.3 (negative). Some of the discussion of results in these Sections refers to these tables. Tables are presented for total responses, contrasting large and small vessel sizes, and for the main specific vessels.

Table A4.1: Pre-visit Positive Expectations from the trip

| POSITIVE PRE-VISIT EXPECTATIONS FROM THE TRIP<br>(Figures represent the % of the sample who stated each expectation amongst their three choices) | TOTAL %<br>(n=404) | All large vessels<br>(n=247) | All small vessels<br>(n=157) |
|--|--------------------|------------------------------|------------------------------|
| - Part of trip schedule/with tour  | 6                  | 8                            | 1                            |
| - Opportunity for trip/once in a lifetime/always wanted to visit   | 1                  | 1                            | 1                            |
| - Never been to this area before   | 1                  | 1                            | 1                            |
| - Other people recommended a trip to this area   | 0                  | 0                            | 0                            |
| <b>TOTAL - The opportunity provided by this trip</b>   | <b>8</b>           | <b>10</b>                    | <b>3</b>                     |
| - Observing birds/birdwatching in natural habitat  | 14                 | 9                            | 22                           |
| - Experiencing birdlife and behaviour close-up   | 8                  | 5                            | 12                           |
| - Seeing specific bird species/endangered species  | 14                 | 13                           | 15                           |
| - Experiencing birdlife numbers and variety  | 3                  | 1                            | 6                            |
| <b>TOTAL - The specific birdlife attractions</b>   | <b>39</b>          | <b>28</b>                    | <b>55</b>                    |
| - Observing wildlife in natural habitat  | 24                 | 28                           | 18                           |
| - Experiencing unique numbers and variety of wildlife  | 5                  | 7                            | 3                            |
| - Seeing specific wildlife species/endangered species  | 4                  | 4                            | 4                            |
| - Experiencing and observing marine life features  | 2                  | 2                            | 3                            |
| <b>TOTAL - The specific wildlife attractions</b>   | <b>35</b>          | <b>41</b>                    | <b>28</b>                    |
| - Seeing unique flora/plants   | 5                  | 4                            | 7                            |
| - Seeing/experiencing unique flora/fauna/ecology/nature  | 19                 | 24                           | 37                           |
| <b>TOTAL - The ecology and nature experience attractions</b>   | <b>24</b>          | <b>28</b>                    | <b>44</b>                    |
| - Remote/isolated setting  | 6                  | 4                            | 8                            |
| - Untouched/unspoilt/undisturbed natural setting   | 5                  | 4                            | 8                            |
| - Experiencing scenery and views   | 24                 | 30                           | 14                           |
| - Having unique experiences/personal feelings  | 7                  | 8                            | 6                            |
| - Site-specific comments   | 5                  | 6                            | 3                            |
| <b>TOTAL - The unique setting features</b>   | <b>47</b>          | <b>52</b>                    | <b>39</b>                    |
| - Educational/learning opportunities   | 4                  | 5                            | 4                            |
| - Social contact/meeting other people opportunities  | 4                  | 2                            | 7                            |
| <b>TOTAL - The social and educational opportunities</b>  | <b>8</b>           | <b>7</b>                     | <b>11</b>                    |
| <b>TOTAL - The historical and cultural attractions</b>   | <b>7</b>           | <b>7</b>                     | <b>7</b>                     |
| <b>TOTAL - OTHER (includes activity-specific comments)</b>   | <b>15</b>          | <b>23</b>                    | <b>17</b>                    |

Table A4.2: Pre-Visit Negative expectations from the trip

| NEGATIVE EXPECTATIONS OF TRIP<br>(% indicating the proportion of each choice from the two allowed) | TOTAL %<br>(n=361) | All large<br>vessels<br>(n=215) | All small<br>vessels<br>(n=146) |
|--|--------------------|---------------------------------|---------------------------------|
| No Problems anticipated at all   | 13                 | 13                              | 13                              |
| - Bad weather in general   | 26                 | 25                              | 27                              |
| - Bad weather preventing landings at some sites  | 2                  | 2                               | 1                               |
| - Bad weather and sea-sickness   | 32                 | 19                              | 44                              |
| - Bad weather and using small boats to access/view sites   | 3                  | 4                               | 2                               |
| <b>TOTAL - WEATHER RELATED CONDITIONS</b>  | <b>63</b>          | <b>50</b>                       | <b>74</b>                       |
| - Lack of time onshore at sites  | 3                  | 3                               | 2                               |
| - Too long spent at sea between sites  | 12                 | 12                              | 12                              |
| - Too many people on visits/crowding problems  | 3                  | 5                               | 1                               |
| - Insufficient information given   | 1                  | 1                               | 0                               |
| - Concern about our environmental impacts  | 0                  | 0                               | 0                               |
| - Inappropriate behaviour by some people on visits   | 1                  | 1                               | 1                               |
| - Onshore guiding inadequate   | 0                  | 0                               | 0                               |
| - Onshore trip organisation not good   | 0                  | 0                               | 0                               |
| <b>TOTAL - VISIT OPERATIONS</b>  | <b>20</b>          | <b>22</b>                       | <b>16</b>                       |
| - Regulations limiting landings at some sites  | 2                  | 0                               | 3                               |
| - Regulations limiting onshore activities at some sites  | 2                  | 1                               | 4                               |
| - Track conditions and difficulty at some sites  | 4                  | 4                               | 5                               |
| - Too much evidence of human presence/development  | 3                  | 2                               | 5                               |
| - Lack of some facilities onshore (e.g., toilets, shelters)  | 1                  | 2                               | 0                               |
| <b>TOTAL - SITE MANAGEMENT</b>   | <b>12</b>          | <b>9</b>                        | <b>17</b>                       |
| <b>TOTAL - OTHER</b>   | <b>13</b>          | <b>17</b>                       | <b>8</b>                        |

**APPENDIX 5  
DETAIL OF POST VISIT EVALUATIONS**

These tables present the complete categories used to code the responses to the post-visit questions about positive and negative evaluations of island visits, comprising the features of island visits that were reported to be those most and least enjoyed. They form the basis for the summary tables presented in Section 4.3 (positive features) and 5.3 (negative features). Some of the discussion of results in these Sections refers to these tables.

Table A5.1: Post-visit Positive Evaluations of the Trip

| POSITIVE POST-VISIT EVALUATIONS FROM THE TRIP<br>(Figures represent the % of the sample who stated each evaluation amongst their three choices) | TOTAL %<br>(n=315) | All large vessels<br>(n=165) | All small vessels<br>(n=150) |
|---|--------------------|------------------------------|------------------------------|
| - Part of trip schedule/with tour   | 0                  | 1                            | 1                            |
| - Opportunity for trip/once in a lifetime/always wanted to visit  | 1                  | 0                            | 1                            |
| - Never been to this area before  | 1                  | 0                            | 1                            |
| - Other people recommended a trip to this area  | 1                  | 2                            | 0                            |
| <b>TOTAL - The opportunity provided by this trip</b>  | <b>3</b>           | <b>3</b>                     | <b>3</b>                     |
| - Observing birds/birdwatching in natural habitat   | 8                  | 5                            | 11                           |
| - Experiencing birdlife and behaviour close-up  | 20                 | 13                           | 27                           |
| - Seeing specific bird species/endangered species   | 20                 | 21                           | 19                           |
| - Experiencing birdlife numbers and variety   | 3                  | 4                            | 3                            |
| <b>TOTAL - The specific birdlife attractions</b>  | <b>51</b>          | <b>43</b>                    | <b>60</b>                    |
| - Observing wildlife in natural habitat   | 23                 | 32                           | 13                           |
| - Experiencing unique numbers and variety of wildlife   | 5                  | 7                            | 3                            |
| - Seeing specific wildlife species/endangered species   | 5                  | 5                            | 6                            |
| - Experiencing and observing marine life features   | 2                  | 3                            | 2                            |
| <b>TOTAL - The specific wildlife attractions</b>  | <b>35</b>          | <b>47</b>                    | <b>24</b>                    |
| - Seeing unique flora/plants  | 9                  | 6                            | 13                           |
| - Seeing/experiencing unique flora/fauna/ecology/nature   | 21                 | 17                           | 26                           |
| <b>TOTAL - The ecology and nature experience attractions</b>  | <b>30</b>          | <b>23</b>                    | <b>39</b>                    |
| - Remote/isolated setting   | 6                  | 4                            | 9                            |
| - Untouched/unspoilt/undisturbed natural setting  | 8                  | 5                            | 11                           |
| - Experiencing scenery and views  | 15                 | 17                           | 13                           |
| - Having unique experiences/personal feelings   | 15                 | 15                           | 16                           |
| - Site-specific comments  | 11                 | 14                           | 15                           |
| <b>TOTAL - The unique setting attractions</b>   | <b>55</b>          | <b>55</b>                    | <b>64</b>                    |
| - Educational/learning opportunities  | 4                  | 3                            | 6                            |
| - Social contact/meeting other people opportunities   | 2                  | 1                            | 4                            |
| <b>TOTAL - The social and educational opportunities</b>   | <b>6</b>           | <b>4</b>                     | <b>10</b>                    |
| <b>TOTAL - The historical and cultural opportunities</b>  | <b>6</b>           | <b>1</b>                     | <b>8</b>                     |
| <b>TOTAL - OTHER</b>  | <b>23</b>          | <b>21</b>                    | <b>25</b>                    |

Table A5.2: Post-Visit Negative evaluations of aspects of the trip

| NEGATIVE ASPECTS OF TRIP<br>(% indicating the proportion of each choice from the two allowed) | TOTAL %<br>(n=258) | All large vessels<br>(n=123) | All small vessels<br>(n=135) |
|---|--------------------|------------------------------|------------------------------|
| No Problems experienced at all  | 15                 | 18                           | 12                           |
| - Bad weather in general  | 13                 | 12                           | 14                           |
| - Bad weather preventing landings at some sites   | 2                  | 1                            | 3                            |
| - Bad weather and sea-sickness  | 12                 | 10                           | 23                           |
| - Bad weather and using small boats to access/view sites                                      | 5                  | 2                            | 9                            |
| <b>TOTAL - WEATHER RELATED CONDITIONS</b>   | <b>32</b>          | <b>25</b>                    | <b>49</b>                    |
| - Lack of time onshore at sites   | 9                  | 10                           | 9                            |
| - Too long spent at sea between sites   | 6                  | 0                            | 12                           |
| - Too many people on visits/crowding problems   | 4                  | 6                            | 3                            |
| - Insufficient information given  | 3                  | 5                            | 1                            |
| - Concern about our environmental impacts   | 0                  | 2                            | 0                            |
| - Inappropriate behaviour by some people on visits  | 3                  | 6                            | 0                            |
| - Onshore guiding inadequate  | 3                  | 3                            | 4                            |
| - Onshore trip organisation not good  | 3                  | 5                            | 0                            |
| <b>TOTAL - VISIT OPERATIONS</b>   | <b>31</b>          | <b>37</b>                    | <b>29</b>                    |
| - Regulations limiting landings at some sites   | 4                  | 2                            | 7                            |
| - Regulations limiting onshore activities at some sites                                       | 0                  | 1                            | 0                            |
| - Track conditions and difficulty at some sites   | 16                 | 26                           | 7                            |
| - Too much evidence of human presence/development   | 3                  | 2                            | 4                            |
| - Lack of some facilities onshore (e.g., toilets, shelters)                                   | 1                  | 2                            | 1                            |
| <b>TOTAL - SITE MANAGEMENT</b>  | <b>24</b>          | <b>33</b>                    | <b>19</b>                    |
| <b>TOTAL - OTHER</b>  | <b>22</b>          | <b>21</b>                    | <b>23</b>                    |

**APPENDIX 6**  
**DETAIL OF MEAN SATISFACTION SCORES**

This appendix presents the mean scores given by visitors to the satisfaction items listed in Table 7 (Section 4.5). Table A6.1 presents the mean scores for the total sample, and for large and small vessels. These relate to discussions in Section 4.5. Reference is made to the significance of differences between large and small vessel responses, as tested on the response frequencies using the Chi-square test. Interpretation of the meaning of any significant differences was aided by reference to the apparent differences in the respective mean scores (significance tests were not done on the means themselves).

Table A6.1: Mean Satisfaction Scores overall (including vessel size results)

| <b>MEAN SATISFACTION SCORES</b><br>(Very Dissatisfied = 1 to Very Satisfied = 5) | <b>Total Sample</b> | <b>Large Vessels</b> | <b>Small Vessels</b> | <b>Chi-square (frequencies)</b> |
|--|---------------------|----------------------|----------------------|---------------------------------|
| - the amount of time we had at the islands                                       | 3.806               | 3.857                | 3.748                | -                               |
| - the rules and regulations controlling our visits                               | 4.006               | 4.107                | 3.895                | * (p<0.05)                      |
| - the onshore guiding received from our trip leaders                             | 4.191               | 4.065                | 4.329                | *** (p<0.001)                   |
| - all the different birdlife that we saw   | 4.373               | 4.284                | 4.471                | *** (p<0.001)                   |
| - all the different plantlife that we saw  | 4.287               | 4.212                | 4.368                | ** (p<0.01)                     |
| - seeing some particular rare plantlife/birdlife                                 | 4.221               | 4.205                | 4.238                | -                               |
| - the historical locations and artifacts that we saw                             | 3.841               | 3.884                | 3.795                | -                               |
| - the organisation and planning on our trip                                      | 4.193               | 4.095                | 4.303                | *** (p<0.001)                   |
| - the presence of boardwalks and viewing sites                                   | 4.047               | 4.133                | 3.954                | * (p<0.05)                      |
| - our encounters with staff from the onshore bases                               | 4.291               | 4.232                | 4.356                | * (p<0.05)                      |
| - getting close enough to view the wildlife                                      | 4.627               | 4.765                | 4.474                | -                               |
| - the information given to us on the ship  | 4.308               | 4.329                | 4.285                | -                               |
| - the information given to us while on the islands                               | 4.168               | 4.054                | 4.292                | ** (p<0.01)                     |
| - the explanation of rules and regulations of visits                             | 4.260               | 4.253                | 4.268                | ** (p<0.01)                     |
| - the group sizes we had when visiting the islands                               | 4.074               | 3.853                | 4.318                | *** (p<0.001)                   |

The means scores here give some indication of the meaning of the significant differences in response frequencies found with the Chi-square tests. These indications suggest that small vessel visitors have greater satisfaction with the onshore guiding received, birdlife and plantlife seen, the trip organisation and planning, the encounters with base staff, the information given onshore, and the group sizes on visits. Large vessel visitors only appeared to be more satisfied for the rules and regulations on visits, and the presence of boardwalks.

In the remaining case where a significant difference in response frequencies was found (e.g., explanation of rules and regulations), the means showed little difference.

## APPENDIX 7 IMPROVEMENTS TO TRIPS

Amongst the assessment of negative evaluations of island visits, visitors were asked firstly if the trip could be improved (Table A7.1), and if so, in what ways (Table A7.2). Overall, 35% of visitors considered the trip could be improved.

Table AT 1: Could the trip be improved

| COULD THE TRIP BE IMPROVED | TOTAL %<br>(n=281) | Large Vessels<br>(n=138) | Small Vessels<br>(n=143) | Frontier Spirit<br>(n=71) | Kapitan Khlebnikov<br>(n=67) | Pacific Ruby<br>(n=109) |
|----------------------------|--------------------|--------------------------|--------------------------|---------------------------|------------------------------|-------------------------|
| YES                        | 65                 | 64                       | 66                       | 83                        | 43                           | 69                      |
| NO                         | 35                 | 36                       | 34                       | 17                        | 57                           | 31                      |

Table A7.2: How the trip could be improved

| IMPROVEMENTS TO TRIPS<br>(% indicating each reason amongst their three choices) | TOTAL %<br>(n=180) | All large vessels<br>(n=84) | All small vessels<br>(n=95) |
|---|--------------------|-----------------------------|-----------------------------|
| - More time spent on islands when visiting                                      | 32                 | 32                          | 30                          |
| - Less time spent at sea  | 0                  | 1                           | 2                           |
| <b>TOTAL - TRIP SCHEDULE IMPROVEMENTS</b>                                       | <b>32</b>          | <b>33</b>                   | <b>32</b>                   |
| - Allow more onshore site visits on trips                                       | 20                 | 6                           | 31                          |
| - Allow controlled access to some closed sites                                  | 11                 | 2                           | 18                          |
| - Reduce regulations limiting onshore visit freedom                             | 6                  | 2                           | 9                           |
| - Keep control of visit numbers/limit access                                    | 6                  | 5                           | 7                           |
| - Allow closer access to wildlife (control by guides)                           | 3                  | 2                           | 4                           |
| <b>TOTAL - REGULATION IMPROVEMENTS</b>  | <b>46</b>          | <b>17</b>                   | <b>69</b>                   |
| - Better group leadership and guiding   | 9                  | 19                          | 1                           |
| - More information/interpretation provided on visits                            | 13                 | 18                          | 8                           |
| - More pre-visit information and briefings                                      | 13                 | 14                          | 12                          |
| - Have smaller groups on visits onshore   | 4                  | 6                           | 2                           |
| - Provide better information  | 2                  | 1                           | 2                           |
| <b>TOTAL - VISIT ORGANISATION IMPROVEMENTS</b>                                  | <b>41</b>          | <b>58</b>                   | <b>25</b>                   |
| - Provide better tracks for walking/use boardwalks                              | 10                 | 15                          | 5                           |
| - Provide onshore facilities (e.g., day shelters, toilets)                      | 7                  | 8                           | 6                           |
| - Provide information signs on tracks   | 0                  | 0                           | 1                           |
| <b>TOTAL - SITE FACILITY IMPROVEMENTS</b>                                       | <b>17</b>          | <b>23</b>                   | <b>12</b>                   |
| - Smoother and easier sailing at sea  | 5                  | 2                           | 7                           |
| - Have better weather at sea  | 9                  | 11                          | 7                           |
| <b>TOTAL - WEATHER-RELATED IMPROVEMENTS</b>                                     | <b>14</b>          | <b>13</b>                   | <b>14</b>                   |
| <b>TOTAL - OTHER</b>  | <b>25</b>          | <b>26</b>                   | <b>23</b>                   |

**APPENDIX 8**  
**THINGS LEARNED ABOUT CONSERVATION**

In Table 6 (Section 4.4), most visitors indicated they had learned something about conservation from their visits. When asked to specify things they had learned, visitors responded with a variety of topics. The comprehensive coded responses are shown in Table A8.1, and provide the basis for those summarised in Table 7 (Section 4.5).

Table A8.1: What things did you learn about conservation

| WHAT WAS LEARNED?<br>(% indicating each reason amongst their three choices) | TOTAL %<br>(n=210) | All large<br>vessels<br>(n=99) | All small<br>vessels<br>(n=111) |
|---|--------------------|--------------------------------|---------------------------------|
| - Reinforced conservation knowledge/beliefs                                 | 8                  | 7                              | 8                               |
| - The fragility of flora, fauna and the environment                         | 21                 | 19                             | 23                              |
| - That much has already been lost   | 1                  | 0                              | 2                               |
| - Greater awareness of human impacts  | 18                 | 23                             | 13                              |
| - Greater awareness of the environment and ecology                          | 18                 | 14                             | 22                              |
| - The impacts of introduced species/predators                               | 23                 | 20                             | 25                              |
| - The importance and need for conservation                                  | 16                 | 18                             | 13                              |
| - Conservation is long term/costly/difficult                                | 10                 | 10                             | 11                              |
| - Conservation needs resources and support                                  | 3                  | 3                              | 4                               |
| - The roles of conservation managers/researchers                            | 36                 | 32                             | 39                              |
| - The need for some use limitation  | 22                 | 24                             | 21                              |
| - Public effort is needed/co-operative work                                 | 1                  | 1                              | 1                               |
| - Many things can be done/every little bit helps                            | 1                  | 1                              | 1                               |
| - Must work together/international co-operation                             | 4                  | 6                              | 1                               |
| - Need to educate people  | 1                  | 1                              | 1                               |
| - This is an example of successful/good actions                             | 6                  | 5                              | 6                               |
| - The unique island environments and ecology                                | 5                  | 6                              | 4                               |
| - The importance of these islands   | 14                 | 8                              | 20                              |
| - Site specific information/learning  | 25                 | 19                             | 30                              |
| - Other   | 14                 | 14                             | 9                               |

## APPENDIX 9 IMPACTS AT ISLANDS

This appendix provides greater detail of the visitor perceptions of impacts at specific islands. These results are the basis for the summary information presented in Section 5.5.

In some cases, vessels did not land at some sites, so the response frequency totals vary. This reflects the differences in trip schedules, and it is clear from viewing Table A9.1 that the small vessels visited more subantarctic sites. Visitors who indicated they did not visit the island were excluded, although those who simply did not land, but viewed from zodiac dinghy were included.

Table A9.1: Perceived Impacts at Different Islands

| DID YOUR VISIT HAVE IMPACTS |     | Enderby Island | Auckland Island | Campbell Island | Snares Islands | Antipodes Islands | Bounty Islands | Macquarie Island |
|-----------------------------|-----|----------------|-----------------|-----------------|----------------|-------------------|----------------|------------------|
| YES                         |     | 31             | 27              | 33              | 6              | 0                 | 12             | 17               |
| NO                          |     | 69             | 73              | 67              | 93             | 100               | 88             | 83               |
| (Total n =)                 |     | (105)          | (277)           | (298)           | (206)          | (56)              | (52)           | (57)             |
| Large Vessel                | YES | 41             | 32              | 37              | 12             | 0                 | 0              | 27               |
|                             | NO  | 59             | 68              | 63              | 88             | 0                 | 0              | 73               |
| (Total n =)                 |     | (34)           | (132)           | (160)           | (83)           | (0)               | (0)            | (29)             |
| Small Vessel                | YES | 27             | 22              | 28              | 2              | 0                 | 12             | 7                |
|                             | NO  | 73             | 78              | 72              | 98             | 100               | 88             | 93               |
| (Total n =)                 |     | (71)           | (145)           | (138)           | (123)          | (56)              | (51)           | (28)             |

These results indicate that the types of visits made, and the level of impacts perceived at different sites, were both quite variable. Most impacts were perceived as occurring on Enderby, Auckland and Campbell Islands. The types of comments made about impacts at each of these sites are presented in Table A9.2 (overleaf). These comments indicate that the main specific type of impacts associated with these islands were some forms of trampling plants and soils. Frequencies of comments were not high, so use of figures was inappropriate. The table overleaf simply indicates the frequencies with which comments of the categories listed were made.

Table A9.2: Specific Comments about Site Impacts (frequencies)

| COMMENTS MADE ABOUT IMPACTS<br>(Did your visit have impacts upon the island? - ) | ENDERBY |    | AUCKLAND |    | CAMPBELL |    | SNARES |    | ANTIPODES |    | BOUNTY |    | MACQUARIE |    |
|--|---------|----|----------|----|----------|----|--------|----|-----------|----|--------|----|-----------|----|
|  | YES     | NO | YES      | NO | YES      | NO | YES    | NO | YES       | NO | YES    | NO | YES       | NO |
| - No, we did not land here   | 0       | 1  | 0        | 0  | 1        | 2  | 0      | 0  | 0         | 1  | 0      | 2  | 0         | 0  |
| - No, we could not land due to sea conditions                                    | 0       | 0  | 0        | 0  | 0        | 0  | 0      | 0  | 0         | 1  | 0      | 2  | 0         | 2  |
| - No, we viewed the shore from inflatables                                       | 0       | 1  | 0        | 0  | 0        | 0  | 2      | 17 | 0         | 5  | 0      | 1  | 0         | 0  |
| - I hope we had no impacts   | 0       | 3  | 4        | 6  | 4        | 6  | 1      | 3  | 0         | 2  | 0      | 1  | 0         | 2  |
| - Any visits must have some impact   | 10      | 7  | 21       | 9  | 19       | 9  | 3      | 8  | 0         | 1  | 3      | 1  | 4         | 2  |
| - There was some minor wildlife disturbance                                      | 4       | 1  | 11       | 0  | 12       | 1  | 2      | 0  | 0         | 0  | 3      | 0  | 2         | 0  |
| - Inappropriate behaviour - damage to plants/soils                               | 6       | 1  | 1        | 0  | 0        | 1  | 0      | 0  | 0         | 0  | 0      | 0  | 0         | 0  |
| - Inappropriate behaviour - disturbing wildlife                                  | 1       | 0  | 2        | 0  | 2        | 0  | 0      | 0  | 0         | 0  | 0      | 0  | 1         | 0  |
| - Trampling of plants/soils on tracks took place                                 | 18      | 2  | 31       | 2  | 50       | 3  | 1      | 2  | 0         | 0  | 0      | 0  | 2         | 0  |
| - Improved tracks would limit impacts  | 0       | 0  | 1        | 1  | 5        | 2  | 0      | 0  | 0         | 0  | 0      | 0  | 0         | 0  |
| - Boardwalks gave protection/would limit impacts                                 | 1       | 0  | 1        | 1  | 9        | 3  | 0      | 0  | 0         | 0  | 0      | 0  | 0         | 0  |
| - Larger groups visiting would have more impacts                                 | 1       | 3  | 2        | 2  | 6        | 3  | 0      | 1  | 0         | 1  | 0      | 1  | 0         | 1  |
| - The regulations and management limit impacts                                   | 0       | 1  | 0        | 2  | 0        | 2  | 0      | 2  | 0         | 0  | 0      | 0  | 0         | 0  |
| - Other  | 4       | 0  | 1        | 9  | 8        | 7  | 1      | 2  | 0         | 0  | 2      | 0  | 1         | 1  |

**APPENDIX 10**  
**PERCENTAGE FIGURES FOR ATTITUDE RESPONSES**

The attitude responses scores for large and small vessels are presented in this appendix (Tables A10.1 - 2), along with their respective mean scores (Table A 10.3). These both provide reference information for the material summarised in Section 6, where the tables present percentage figures for the whole sample.

Table A 10.1: Attitudes toward opinion statements (big vessels)

| OPINION STATEMENTS - LARGE VESSELS<br>(Pre-visit n=256, Post-visit n=177)                | Survey<br>Sample | Strongly<br>Disagree | Tend to<br>Disagree | Neutral  | Tend to<br>Agree | Strongly<br>Agree |
|--|------------------|----------------------|---------------------|----------|------------------|-------------------|
| - there is no need for limits or regulations to control visitor numbers to these islands | Pre -<br>Post -  | 61<br>61             | 18<br>17            | 7<br>8   | 9<br>6           | 4<br>6            |
| - visitors should be free to walk and explore wherever they want to go on the islands    | Pre -<br>Post -  | 62<br>62             | 18<br>27            | 7<br>4   | 9<br>3           | 4<br>3            |
| - visitors should only be allowed to walk on specially provided tracks                   | Pre -<br>Post -  | 2<br>3               | 12<br>15            | 10<br>8  | 32<br>27         | 43<br>36          |
| - visitors should only be allowed to view wildlife from specially provided sites         | Pre -<br>Post -  | 5<br>7               | 21<br>23            | 12<br>9  | 33<br>35         | 29<br>26          |
| - information signs about features of island environments/wildlife should be provided    | Pre -<br>Post -  | 14<br>15             | 13<br>15            | 16<br>18 | 30<br>34         | 27<br>17          |
| - basic toilet and shelter facilities should be available on the islands                 | Pre -<br>Post -  | 19<br>17             | 16<br>15            | 19<br>29 | 30<br>29         | 16<br>10          |
| - some visitors should be allowed to stay onshore overnight in huts or camps             | Pre -<br>Post -  | 35<br>37             | 22<br>26            | 15<br>14 | 20<br>19         | 7<br>5            |
| - when on the islands, people should be in a few small groups, not one big one           | Pre -<br>Post -  | 1<br>1               | 1<br>2              | 6<br>8   | 36<br>40         | 56<br>48          |
| - visitors should be controlled by guides at all times while on the islands              | Pre -<br>Post -  | 4<br>2               | 13<br>17            | 14<br>14 | 29<br>30         | 41<br>37          |
| - visitors should be allowed to get closer to wildlife than the 5 metre limit            | Pre -<br>Post -  | 48<br>47             | 23<br>22            | 16<br>14 | 10<br>11         | 3<br>7            |
| - visitors should take all their own rubbish and waste off the islands when they leave   | Pre -<br>Post -  | 2<br>2               | 0<br>1              | 0<br>1   | 7<br>12          | 91<br>85          |
| - clothing/baggage should be checked to prevent introduction of plant/animal pests       | Pre -<br>Post -  | 6<br>3               | 11<br>8             | 23<br>32 | 31<br>31         | 28<br>23          |
| - some wildlife should be made available for close-up viewing and photography            | Pre -<br>Post -  | 24<br>24             | 20<br>17            | 15<br>18 | 32<br>27         | 9<br>13           |
| - all visits should include some nature education instruction about plants/wildlife      | Pre -<br>Post -  | 1<br>1               | 0<br>2              | 13<br>14 | 44<br>48         | 40<br>34          |
| - all visitor groups should have their own safety equipment with them                    | Pre -<br>Post -  | 4<br>2               | 7<br>8              | 23<br>24 | 33<br>36         | 34<br>30          |
| - visitors should be allowed to take small approved items as mementos of their visits    | Pre -<br>Post -  | 55<br>55             | 19<br>21            | 11<br>11 | 11<br>10         | 5<br>3            |
| - meeting Conservation Staff/Scientists is an important part of this trip                | Pre -<br>Post -  | 3<br>2               | 2<br>3              | 10<br>10 | 34<br>37         | 51<br>49          |

Table A10.2: Attitudes toward opinion statements (small vessels)

| <b>OPINION STATEMENTS - SMALL VESSELS</b><br>(Pre-visit n=158, Post-visit n=151)         | Survey<br>Sample | Strongly<br>Disagree | Tend to<br>Disagree | Neutral  | Tend to<br>Agree | Strongly<br>Agree |
|--|------------------|----------------------|---------------------|----------|------------------|-------------------|
| - there is no need for limits or regulations to control visitor numbers to these islands | Pre -<br>Post -  | 66<br>66             | 15<br>16            | 2<br>1   | 9<br>7           | 8<br>10           |
| - visitors should be free to walk and explore wherever they want to go on the islands    | Pre -<br>Post -  | 53<br>59             | 32<br>30            | 4<br>5   | 7<br>5           | 2<br>1            |
| - visitors should only be allowed to walk on specially provided tracks                   | Pre -<br>Post -  | 2<br>7               | 22<br>21            | 9<br>15  | 33<br>34         | 33<br>22          |
| - visitors should only be allowed to view wildlife from specially provided sites         | Pre -<br>Post -  | 10<br>22             | 32<br>32            | 19<br>15 | 24<br>21         | 14<br>9           |
| - information signs about features of island environments/wildlife should be provided    | Pre -<br>Post -  | 13<br>14             | 19<br>21            | 19<br>23 | 28<br>29         | 20<br>13          |
| - basic toilet and shelter facilities should be available on the islands                 | Pre -<br>Post -  | 20<br>25             | 22<br>19            | 19<br>27 | 32<br>23         | 7<br>5            |
| - some visitors should be allowed to stay onshore overnight in huts or camps             | Pre -<br>Post -  | 28<br>30             | 26<br>24            | 14<br>14 | 23<br>27         | 8<br>5            |
| - when on the islands, people should be in a few small groups, not one big one           | Pre -<br>Post -  | 3<br>1               | 2<br>1              | 15<br>7  | 31<br>34         | 49<br>57          |
| - visitors should be controlled by guides at all times while on the islands              | Pre -<br>Post -  | 4<br>5               | 14<br>15            | 11<br>11 | 38<br>30         | 33<br>38          |
| - visitors should be allowed to get closer to wildlife than the 5 metre limit            | Pre -<br>Post -  | 29<br>32             | 35<br>28            | 13<br>12 | 17<br>21         | 7<br>7            |
| - visitors should take all their own rubbish and waste off the islands when they leave   | Pre -<br>Post -  | 4<br>1               | 0<br>1              | 1<br>0   | 3<br>6           | 92<br>93          |
| - clothing/baggage should be checked to prevent introduction of plant/animal pests       | Pre -<br>Post -  | 4<br>3               | 8<br>4              | 16<br>21 | 24<br>37         | 46<br>35          |
| - some wildlife should be made available for close-up viewing and photography            | Pre -<br>Post -  | 16<br>21             | 14<br>23            | 23<br>19 | 29<br>24         | 17<br>13          |
| - all visits should include some nature education instruction about plants/wildlife      | Pre -<br>Post -  | 1<br>1               | 6<br>5              | 11<br>15 | 37<br>38         | 44<br>42          |
| - all visitor groups should have their own safety equipment with them                    | Pre -<br>Post -  | 3<br>3               | 8<br>4              | 15<br>13 | 29<br>42         | 45<br>38          |
| - visitors should be allowed to take small approved items as mementos of their visits    | Pre -<br>Post -  | 63<br>50             | 18<br>23            | 10<br>12 | 6<br>12          | 2<br>3            |
| - meeting Conservation Staff/Scientists is an important part of this trip                | Pre -<br>Post -  | 2<br>1               | 3<br>4              | 11<br>14 | 40<br>38         | 43<br>42          |

Table A10.3: Mean scores for opinions on management statements (TOTAL, AND BY VESSEL SIZE)

| <b>OPINION STATEMENTS - MEAN SCORES</b><br>Strongly Disagree = 1 to Strongly Disagree = 5.<br>(Refer Appendix 10, tables A10.1-2) | Total Sample |               | Large Vessels |               | Small Vessels |               |
|---|--------------|---------------|---------------|---------------|---------------|---------------|
|   | Pre<br>(410) | Post<br>(325) | Pre<br>(291)  | Post<br>(177) | Pre<br>(158)  | Post<br>(151) |
| - there is no need for limits or regulations to control visitor numbers to these islands  | 1.763        | 1.785         | 1.754         | 1.787         | 1.778         | 1.781         |
| - visitors should be free to walk and explore wherever they want to go on the islands   | 1.597        | 1.583         | 1.518         | 1.574         | 1.726         | 1.593         |
| - visitors should only be allowed to walk on specially provided tracks  | 3.913        | 3.674         | 4.023         | 3.886         | 3.374         | 3.423         |
| - visitors should only be allowed to view wildlife from specially provided sites  | 3.372        | 3.095         | 3.594         | 3.489         | 3.006         | 2.631         |
| - information signs about features of island environments/wildlife should be provided   | 3.355        | 3.156         | 3.431         | 3.237         | 3.234         | 3.060         |
| - basic toilet and shelter facilities should be available on the islands  | 2.981        | 2.823         | 3.063         | 2.977         | 2.846         | 2.640         |
| - some visitors should be allowed to stay onshore overnight in huts or camps  | 2.480        | 2.394         | 2.420         | 2.280         | 2.582         | 2.527         |
| - when on the islands, people should be in a few small groups, not one big one  | 4.354        | 4.372         | 4.441         | 4.316         | 4.125         | 4.437         |
| - visitors should be controlled by guides at all times while on the islands   | 3.862        | 3.820         | 3.894         | 3.836         | 3.809         | 3.800         |
| - visitors should be allowed to get closer to wildlife than the 5 metre limit   | 2.138        | 2.241         | 1.988         | 2.091         | 2.385         | 2.419         |
| - visitors should take all their own rubbish and waste off the islands when they leave  | 4.841        | 4.835         | 4.864         | 4.785         | 4.804         | 4.893         |
| - clothing/baggage should be checked to prevent introduction of plant/animal pests  | 3.782        | 3.746         | 3.648         | 3.563         | 4.000         | 3.960         |
| - some wildlife should be made available for close-up viewing and photography   | 2.944        | 2.859         | 2.803         | 2.866         | 3.175         | 2.851         |
| - all visits should include some nature education instruction about plants/wildlife   | 4.302        | 4.255         | 4.384         | 4.345         | 4.167         | 4.152         |
| - all visitor groups should have their own safety equipment with them   | 3.932        | 3.950         | 3.859         | 3.832         | 4.051         | 4.087         |
| - visitors should be allowed to take small approved items as mementos of their visits   | 1.823        | 2.012         | 1.914         | 2.080         | 1.677         | 1.934         |
| - meeting Conservation Staff/Scientists is an important part of this trip   | 4.254        | 4.232         | 4.290         | 4.284         | 4.196         | 4.172         |