Water Quality Survey 3
October 2001

Enhanced Stormwater Management in the Bronte Catchment through Local Community Participation
Dear Householder,

We are asking residents who live in the Hewlett Street sub-catchment (part of the larger Bronte Catchment) about how the community can be involved in improving water quality at Bronte Beach. The Bronte Catchment includes the post code area 2024, roughly the area from Carrington Road down to Bronte Beach, and from MacPherson Street across to Birrell Street.

We are inviting you to answer the following questions about your local area, the environmental issues that concern you, and how the community might participate in local environment initiatives.

You may remember completing a survey similar to this one in December 2001 – this survey follows on from that one. It continues the work carried out by UNSW School of Social Science and Policy, but extends the previous focus on community education to look at how to involve the community in local environmental initiatives. It is part of the Bronte Catchment Project, hosted and managed by Elton Consulting as a non profit project and led by Associate Director, Roberta Ryan. This project is assisted by the NSW Government through its Stormwater Trust.

All the information you provide will be treated as strictly confidential and will not be sold or disclosed to any third parties. This is an independent non profit project and is not connected with any political parties. No individual household will be identifiable in any report or data collection.

If you have any comments or questions about the survey, please contact us:

Mail: Roberta Ryan, Susan Rudland or Annette Phelps
      The Bronte Catchment Project
      Elton Consulting
      Reply Paid 1488
      Bondi Junction NSW 2022

Email : talkBronte@elton.com.au
Phone: 02 9387-2024
Fax: 02 9387-2557

We ask you to please complete the survey as soon as possible, and return it to us in the pre-paid envelope provided. Then post it to us by the 31st of October, 2001.

We very much appreciate the time you are giving to the project by filling out this survey. The information you provide will inform local and state government policy on ways to prevent stormwater pollution. We really want to hear your views.

With thanks,

Roberta Ryan
Project Manager, The Bronte Catchment Project
About the questions…
Instructions as to how to complete the questions are at the beginning of each set of questions within the survey.

To answer the questions, you don’t have to be an ‘expert’. There are no ‘right’ or ‘wrong’ answers. What matters most is your opinion.

The survey is to be completed by an individual over the age of 18 years. If there is more than one individual who fits this description in the household, the person with the birthday closest to today’s date should complete the questionnaire.

The first section asks general questions about the environment…

1. We would like to know your opinion on a range of environmental issues, generally.
   Please indicate on a scale of 1 (strongly agree) to 5 (strongly disagree) whether you agree with the following statements

<table>
<thead>
<tr>
<th>Strongly Agree</th>
<th>Neutral</th>
<th>Strongly Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>3</td>
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<td>4</td>
<td>5</td>
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</tbody>
</table>

Please circle the number that best represents your view

Industry creates the most pollution
The government will ensure the environment is preserved for our children
There are experts who can manage pollution problems
Individuals should be responsible for the environment
I am prepared to change the way I do things if it improves the environment
I believe that technology will solve any environment problems
My lifestyle has very little impact on the environment

2. What are the specific environmental issues that concern you in your local area?
   Please list your concerns in order of importance

1. __________________________________________________________________________
2. __________________________________________________________________________
3. __________________________________________________________________________
4. __________________________________________________________________________
This section asks about water quality issues…

3. What are the main causes of the pollution of oceans and other waterways? Please list your concerns in order of importance

1 ____________________________________________________________________

2 ____________________________________________________________________

3 ____________________________________________________________________

4 ____________________________________________________________________

4. Who do you think is most responsible for causing water pollution? Choose the three you think are most responsible by ranking them from 1 to 3, where 1 is the category most responsible for causing water pollution and 3 is least responsible. Only use each number once.

- Industry
- The community
- Visitors
- Individuals
- Residents
- Builders
- Local businesses
- Council workers

5. Who do you think should take the most responsibility for improving the quality of beach/water? Choose the three you think should take the most responsibility by ranking them from 1 to 3, where 1 is the category that should take the most responsibility and 3 should take the least responsibility. Only use each number once.

- Industry
- Visitors
- The community
- The individual
- Residents
- Local businesses
- Local Government
- State Government
- Federal Government
6. Which of the following could end up in the stormwater drains?

*Please tick any number of the following*

- Water from kitchen and bathroom plumbing
- Rain running off the roof
- Rain in street gutters
- Water draining from the washing machine
- Excess water from the garden
- Excess water used for washing the car

7. Which of the following in stormwater affects the water quality at Bronte Beach?

*Please tick any number of the following*

- Rubbish/litter washing down drains
- Oil etc from roads
- Nutrients/ fertilisers/ pesticides
- Silt / soil / sand etc washing down drains
- Building footprint/size on a block
- Leaves etc (organic matter) fallen from trees
- Paints washing down drains
- Total amount of hard surfaces for water to run-off
- Animal (dog) faeces (poo) washed down drains
- People washing cars on roads
- Hard surfaces such as concrete that do not allow water to soak through to the soil
- Detergent and chemicals
- Don’t know
- Other (please specify)___________________________________________

This section asks about activities relating to stormwater in Bronte…

Last December, we surveyed people in your area about these issues. The survey form was blue, and called the Water Quality Survey 2.

8. Did you or someone in your household fill out the blue survey?

- Yes
- No
- Don’t know
- Not at this address then
During August we sent an educational package to households in the Bronte Catchment Area containing:

- a postcard with an aerial photo of the Bronte catchment;
- a letter; and
- a three page stormwater information brochure.

9. Did you receive the education package?
   □ Yes □ No □ Don’t know

   *If you answered no, please go to question 13*

10. If yes, do you think that the material in this package was useful?
    □ Yes □ No □ Don’t know

    *If you answered no, please go to question 13*

11. If yes, what was most useful about each one?

    __________________________________________________________
    __________________________________________________________
    __________________________________________________________

12. Which material was not useful, and why?

    __________________________________________________________
    __________________________________________________________
    __________________________________________________________

13. Have you come across any other material or had any other contact with the Bronte Catchment Project?
    □ Yes □ No □ Don’t know

    *If you answered no, please go to question 19*

14. If you answered yes, please describe the material or the nature of your contact with the Project?

    __________________________________________________________
    __________________________________________________________
    __________________________________________________________
15. Did you learn anything about stormwater pollution from the materials?

☐ Yes  ☐ No  ☐ Don’t know

*If you answered no, please go to question 17*

16. If you answered yes, what did you learn?

17. Do you do anything differently **now** in relation to environmental management, that you didn’t do before?

☐ Yes  ☐ No  ☐ Don’t know

*If you answered no, please go to question 19*

18. If you answered yes, what do you do now?

The Bronte Catchment Project included two community participation processes - the Tele-poll and the Citizens Jury. 358 people answered questions over the phone as part of the Tele-poll. Fifteen people participated in the Citizens Jury, when they met over three days to discuss and deliberate over how stormwater pollution can be prevented in the Bronte Catchment.

19. Did you participate in the Tele-poll?

☐ Yes  ☐ No  ☐ Don’t know

20. Did you participate in the Bronte Catchment Citizens Jury?

☐ Yes  ☐ No

*The next section asks questions about the daily activities of your household and neighbourhood...*

21. Do you have a garden?

☐ Yes  ☐ No

*If you answered no, please go to question 30*
22. Does anyone in your household use pesticides and/or fertilisers for gardening?  
*Please tick if appropriate*

☐ Yes  ☐ No

*If you answered no, please go to question 26*

23. If yes, do you use: *Please tick*

☐ Pesticides?  ☐ Fertilisers?  ☐ Both pesticides and fertilisers?

24. How often are fertilisers used on the garden? *Please tick the box that most applies*

☐ Once a week  
☐ Once a month  
☐ Once every three months  
☐ Once every six months  
☐ Less often than once every six months  
☐ Don’t know  
☐ I don’t use fertilisers

25. How often are pesticides used on the garden? *Please tick the box that most applies*

☐ Once a week  
☐ Once a month  
☐ Once every three months  
☐ Once every six months  
☐ Less often than once every six months  
☐ Don’t know  
☐ I don’t use pesticides

26. Have you talked to your gardener or maintenance person about stormwater or environmental issues in the last 12 months?  

☐ Yes  ☐ No

*If you answered no, please go to question 30*

27. If yes, what were the issues you talked about?

_________________________________________________________________________________
28. As a result of talking with them, have they changed the way they do things?

☐ Yes  ☐ No  ☐ Don’t know or not applicable

*If you answered no, please go to question 30*

29. If yes, how have they changed the way they do things?

30. Have you talked to people you employ, such as dog washers or carpet cleaners, about stormwater pollution or environmental issues in last 12 months?

☐ Yes  ☐ No  ☐ Don’t know

*If you answered no, please go to question 34*

31. If yes, what were the issues you talked about?

32. As a result, have they changed the way they do things?

☐ Yes  ☐ No  ☐ Don’t know or Not applicable

*If you answered no, don’t know or not applicable, please go to question 34*

33. If yes, how have they changed the way they do things?

34. Has a member of your family, a friend or someone from your neighbourhood talked to you about stormwater pollution or environmental issues recently?

☐ Yes  ☐ No  ☐ Don’t know

*If you answered no or don’t know, please go to question 36*

35. If yes, what were the issues you discussed?
36. How is the community involved in helping to prevent stormwater pollution in the Bronte Catchment?


37. Who else do you think should help to prevent stormwater pollution in the Bronte Catchment?


38. How involved are you in your local community? Please circle a number along the line below from 1 (not at all important) to 5 (extremely important).

<table>
<thead>
<tr>
<th>Not at all Involved</th>
<th>Extremely Involved</th>
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<tbody>
<tr>
<td>1</td>
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39. In the last year, have you taken part in any of the following activities? Please tick as many boxes as apply

- [ ] Helped out in a local community group as a volunteer?
- [ ] Joined a local community group?
- [ ] Supported a local environment program?
- [ ] Participated in political activities?
- [ ] Attended a community/neighbourhood group meeting?
- [ ] Attended a Precinct Committee meeting?
- [ ] Attended a Council meeting?
- [ ] Attended a Chamber of Commerce meeting?
- [ ] Contacted a local newspaper?
- [ ] Contacted a politician or your local government representative?
- [ ] Visited a community garden?
- [ ] Assisted with local bush regeneration?
- [ ] Participated in local schools, churches or cultural organisations?
- [ ] Other (please specify) __________________________________________
This section asks questions about what you think of specific ways to help reduce stormwater pollution.

40. Throughout the Bronte Catchment Project, ideas and suggestions have been offered by members of the community as possible ways of preventing stormwater pollution in Bronte. In your opinion, please rate the effectiveness of each of these ideas on a scale of 1 (very effective) to 5 (not at all effective).

<table>
<thead>
<tr>
<th>Very Effective</th>
<th>Neutral</th>
<th>Not at all effective</th>
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Some of these ideas include:

Please circle the number that best represents your view

<table>
<thead>
<tr>
<th>Idea</th>
<th>Scores</th>
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<tbody>
<tr>
<td>A Waverley Council environmental education strategy to establish priority issues, aims and objectives, outcomes, key target groups, and messages</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Community photography to monitor pollution hotspots over time</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>A community website, sponsored by local groups and residents to act as a 'noticeboard' advertising local events, activities and community concerns</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>The inclusion of Water Sensitive Urban Design requirements in development applications (eg. Rainwater tank systems, water re-use, on-site detention, site coverage, and the use of soft surfaces to absorb water run-off)</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Improved signage in the park, gully and beach areas</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>A community mulching station</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Improved and enhanced recycling system in Bronte Park</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Additional engineering solutions</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Requirement to include set ratio of hard and soft surfaces to reduce run-off in public and private developments</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Report the number of fines and penalties issued to individuals and businesses, in the Mayors Column and local papers</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Ongoing monitoring and analysis of water quality issues in the catchment, in partnership with different groups across the community</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Improved drainage and pipe systems</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>A Bronte Sustainable Stormwater Homes/Business Initiative – a partnership between Waverley Council/EPA and one or more interested home-owners and businesses to create best practice public examples of sustainable stormwater practices</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>A Bronte Gully ‘information walk’</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Annual Water Festival</td>
<td>1 2 3 4 5</td>
</tr>
<tr>
<td>Increased regulation and enforcement powers for Council rangers</td>
<td>1 2 3 4 5</td>
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41. We would like to know your opinion on a range of activities in the Bronte Catchment. Please indicate on a scale of 1 (strongly agree) to 5 (strongly disagree) whether you agree with the following statements.

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a. Changing my activities will not improve stormwater quality in the Bronte Catchment.

b. Waverley Council would listen to any contribution I make on an environment issue.

c. If I noticed someone doing something to cause pollution in the Bronte Catchment, I would report it to the appropriate authorities.

d. I am prepared to change my lifestyle for cleaner Bronte waterways.

About you and your household…

42. Are you male or female?_______

43. Which age group do you fall into?

☐ Under 20
☐ 20-25
☐ 26-35
☐ 36-45
☐ 46-55
☐ 56-64
☐ 65+

44. Is your present address the same as it was (please tick):

☐ Less than 6 months ago?
☐ 6 months up to 1 year ago?
☐ 1 year up to 5 years ago?
☐ More than five years ago

45. What is the highest level of education you have completed?

Please tick the box that most applies to you

☐ High School to Year 10
☐ High School to Year 12
☐ Trade or TAFE Diploma
☐ University
☐ Other (please specify)____________________________
46. What is your current occupation? ______________________________________

47. Do you speak a language other than English at home?
   If yes, which language? ______________________________________________

48. Please indicate your annual income before tax for the last financial year (1999-2000).
   Please tick the box that most applies to you
   
   □ Negative or nil income
   □ Under $ 9,999
   □ $10,000 to $19,999
   □ $20,000 to $39,999
   □ $40,000 to $69,999
   □ $70,000 to $89,999
   □ $90 000 +

49. What best describes your current employment situation?
   Please tick the box that most applies to you
   
   □ Working full-time in the paid labour force
   □ Working part-time/casual in the paid labour force
   □ Not working
   □ Student
   □ Retired
   □ Self employed
   □ Other (please specify) ______________________________________________

50. What is your MAIN form of recreation ______________________________

51. Which of the follow best describes where you live.
   Please tick the box that most applies to you
   
   □ Unit/flat
   □ House
   □ Other __________________________

52. Which of the following best describes the dwelling in which you live?
   Please tick the box that most applies to you
   
   □ Being rented
   □ Being occupied rent free
   □ Fully owned
   □ Paying off mortgage
   □ Other (please specify) ______________________________________________
Please make any comments you might have about the survey in the space below...

Thank you…

… for taking the time to finish this survey.

Confidentiality
All the information you provide will be treated as strictly confidential and will not be sold or disclosed to any third parties. This is an independent non profit project and is not connected with any political parties or businesses. No individual household will be identifiable in any report or data collection.

Please return the survey by October 31st, 2001. We really want to hear your views.

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Once again, thank you…