



prepared by brayd consulting  
August 2015

**DOMESTIC WASTEWATER  
MANAGEMENT PLAN  
BACKGROUND REPORT  
ATTACHMENTS – PART 2**



## Document Information

**Prepared by:** Dawn Bray, BA Applied Science (Planning), MPIA, brayd consulting  
ABN 829 8571 0259

**Prepared for:** Steven Hicks  
Manager Governance and Statutory Services  
Strathbogie Shire Council

**Name of Project:** Strathbogie Shire Domestic Wastewater Management Plan

### Acknowledgements:

Brayd Consulting would like to acknowledge the contribution of Steven Hicks (SSC), Fiona Spencer (SSC), Avril Young (SSC), Alan Tyson (Goulburn Valley Water), John Xu (Goulburn Valley Water), Neil Repacholi (Goulburn Murray Water), Robert Graves (Mansfield Shire Council) and all of our online survey respondents in the preparation of this document.

Version	Date	Reviewed by	Approved by	Date
1.0	5 May 2015	Steven Hicks, SSC Alan Tyson, GVW Neil Repacholi, GMW	Steven Hicks SCC	31 May 2015
1.1	14 August 2015	Dawn Bray	Steven Hicks SCC	14 August 2015

## Table of Contents

<b>15.</b>	<b>Attachments – Part 2 (this document)</b>		
	9	Online Survey Templates for Residents / Land Owners, Land Capability Experts and Plumbers / Service Technicians	3
<b>16.</b>	<b>References – Part 2 (this document)</b>		<b>31</b>

## 15. Attachments (Part 2)

### Attachment 9 – Online Survey Templates for Residents/Landowners, Land Capability Experts and Plumbers / Service Technicians

#### Strathbogie Shire Domestic Wastewater Management Plan Survey for

##### Please complete the survey if you are NOT connected to Goulburn Val...

Strathbogie Shire Council is currently preparing a Domestic Wastewater Management Plan (DWMP) with assistance of brayd consulting, Goulburn Murray Water and Goulburn Valley Water.

Council believes it is important to inform the DWMP through the involvement of the local community and land owners. The information you provide us will be used to develop actions and strategies for implementation over the next few years.

We have endeavoured to make this survey as short and as simple as possible, however please use the comment boxes to provide us with any additional information you feel is important for us to consider. **It should take about 5 minutes to complete.**

While the survey is completely anonymous you are able to nominate an email address at the end of the survey should you wish to receive direct updates of the progress of the DWMP project, which is due to be completed by July 2015.

**Please remember that if you are connected to Goulburn Valley Water's reticulated sewerage system you should not complete this survey** as we must focus on unsewered properties.

Thank you for your time and we look forward to hearing from you.

Please click the button below when you are ready to start.

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Background Information

**\* 1. Are you....**

- A permanent resident
- A part time resident
- A holiday home owner who only spends a few weeks living in the Shire
- A land/farm manager

**\* 2. What type of property do you own or live in?**

- A house on a small block in a town
- A house on a small block in and around Lake Nagambie/Goulburn Weir
- A rural living/lifestyle block between 2 - 15 acres on the edge of a town
- A rural living/lifestyle block between 2 - 15 acres away from a town
- A farming property > 15 acres

Other (please specify)

**\* 3. How long have you lived, or owned property, in Strathbogie Shire?**

- < 2 years
- 2 - 5 years
- 5 - 10 years
- > 10 years

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Your onsite wastewater treatment system

**\*4. Roughly, how old is your house?**

- < 5 years old
- 5 - 10 years old
- 10 - 20 years old
- 20+ years old

**\*5. Do you know what type of wastewater system you have (e.g. a septic system or aerated wastewater treatment plant)?**

- Yes
- No
- Not 100% sure

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Your onsite wastewater treatment system

#### 6. What type of onsite wastewater system do you have, or think you have?

- A standard septic tank where water from all sinks/showers/toilets goes into the septic tank
- An old septic system where only the toilet water goes into the septic tank
- An aerated wastewater treatment system
- A membrane filtration system
- A reedbed system
- A sand or other type of trickling filter system
- An incinerating toilet
- A wet composting system
- A dry composting toilet with sinks/showers connected to a septic tank
- A wormfarm system
- Other (please specify)

#### 7. How old do you think your system is?

- < 2 years old
- 2 - 5 years old
- 5 - 10 years old
- 10 - 20 years old
- > 20 years old
- Not quite sure

#### 8. Do you know where your onsite wastewater system is located?

- Yes
- No
- Roughly

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Your onsite wastewater treatment system

**9. Please tell us if you have a copy of any of the following (you can choose more than one).**

- The land capability assessment that was approved by Council to identify what system your property required
- Copies of the Permit to Install and the Certificate to Use the onsite system
- A management plan to help make sure your system works properly
- A service agreement with the installer to regularly inspect/service your system
- Information about how often your system needs inspection and servicing
- Information about how often to get your septic tank emptied
- None of the above

**10. Have you installed a new onsite wastewater system since moving to or purchasing your property?**

- Yes
- No

**11. If you answered YES to question 10, how long ago did you install the new system?**

- < 5 years ago
- 5 - 10 years ago
- 10 + years ago



## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Maintaining your system

**\* 12. When was the last time a plumber or service technician looked at your wastewater system to make sure it was working properly?**

- < 12 months ago
- 1 - 2 years ago
- 2 - 5 years ago
- More than 5 years ago
- I check the system is working regularly myself and do whatever maintenance is required
- Can't remember

**13. Have you had any problems with your wastewater system in the past 5 years? If so what happened?**

- The toilet was 'backed up' and was blocked
- There was a horrible smell coming from the toilet and other plug holes in the house
- I could see pools of foul smelling liquid on the ground near the wastewater tank
- The system's alarm went off (and it was not due to a power failure)
- The irrigation field didn't seem to be working properly
- I've had no problems with the system at all

**14. How did you fix the problem?**

- It was a problem I could fix myself
- I called the Shire to get advice
- I visited the Shire's website to see if I could find information about what to do
- I called a local plumber
- I called a local contractor to empty my septic tank
- I called the manufacturer of the system to get help
- I got the plumber/service technician to fix the problem under the existing maintenance contract
- The problem somehow resolved itself
- I didn't think it was bad enough to require fixing as the system still more or less works

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### 15. What do you think would help avoid or fix a problem with the system in the future?

**You can choose more than one option.**

- Make sure I check everything is working a bit more regularly
- Getting the unit serviced more regularly
- Listening to the advice of the plumber/service technician about how to maintain the system
- Learning more about my system and how to look after it
- Having access to more information about how to look after my system on the Shire's website
- Being able to attend information sessions about how to look after my system
- Having a service contract with a local company to make sure my system is regularly inspected

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Complying with permit conditions and servicing requirements

**16. Did you know that as the land owner you need to comply with the requirements of the permit issued to install the system?**

**16. Did you know that as the land owner you need to comply with the requirements of the permit issued to install the system?**

- Yes
- No

**17. Which of the following are you aware of? You can choose more than one option.**

- Council has the right to check that I am meeting permit approval conditions (i.e. the requirements of planning permits and Certificates to Use an onsite system)
- I need to make sure that I have a Certificate to Use the onsite system once it is installed
- I need to get my septic tank emptied at least every 3 years
- I should get my wastewater system serviced regularly
- I must provide a copy of the inspection report or servicing report to Council's Environmental Health Unit
- I should only use 'septic friendly' cleaning agents to clean my house
- I need to be very careful about what types of objects / substances are put into the toilet and down sinks

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

### Complying with permit conditions and servicing requirements

**18. What would you think if Council inspected more properties to ensure onsite wastewater systems are working properly and permit conditions are being met?**

**18. What would you think if Council inspected more properties to ensure onsite wastewater systems are working properly and permit conditions are being met?**

- It wouldn't bother me
- It would be ok if it helps me understand what I have to do to look after my system
- I think it would be a good thing that helps to protect my health and that of the local waterways and soil
- I wouldn't like Council telling me how to manage my wastewater system

Comments

**19. How can Council best help you manage your onsite wastewater system and comply with permit requirements? You can choose more than one option.**

- Provide me with a map of where my onsite system is located and what type of system it is
- Give me information about how to make sure my system is maintained/serviced as it should be
- Provide me with a copy of the permits I need to comply with
- Have more information on the Shire's website to help me understand what my obligations are
- Have more information on the Shire's website to help me maintain my system and what to do if I think it isn't working properly
- Hold information sessions for residents and land owners about onsite system basics
- Remind me when I need to have my system looked at and provide a copy of the service report to Council

Comments

## Strathbogie Shire Domestic Wastewater Management Plan Survey for

**Thanks for participating!**

**20. Thank you for taking the time to provide input into the Strathbogie Shire Domestic Wastewater Management Plan. We really appreciate your interest in this project.**

**Your responses will be kept anonymous but if you wish to be provided with updates on the project please use the space below to provide us with your email details.**

### **21. Address**

**Name**

**Email**

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Introduction

Strathbogie Shire Council is currently preparing a Domestic Wastewater Management Plan (DWMP) in partnership with Goulburn Murray Water and Goulburn Valley Water.

Council believes it is important to inform the DWMP through the involvement of Land Capability Assessment experts to ensure that your views are considered in the development of the actions and strategies that will be implemented over the next few years.

We have endeavoured to make this survey short and as simple as possible, however we invite you to use the comment boxes to provide us with any additional information you believe is important for us to consider.

While the survey is completely anonymous you are able to nominate an email address should you wish to receive direct updates of the progress of the DWMP project, which is due to be completed by July 2015.

**Thank you for your time and we look forward to hearing your issues and solutions.**

Click the button below when you are ready to start the survey.

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Your qualifications and experience

**\*1. What is the highest level of training you have that enables you to prepare LCAs?**

Other (please specify)

**\*2. How many years have you been preparing LCAs?**

- < 5 years
- 5 - 10 years
- More than 10 years

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Your qualifications and experience (cont'd)

**\*3. How many LCAs would you prepare for properties within Strathbogie Shire per year?**

- Less than 5
- 5 - 10
- More than 10

**\*4. What is the breakdown of the types of developments you are preparing LCAs for?**

	0 - 20%	20 - 40%	40 - 60%	60 - 80%	80 - 100%
Rezoning of land to allow residential development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Subdivision of land to allow residential development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Single dwelling on a small township lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Single dwelling on a rural living/farming lot	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small scale commercial development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other (please specify)



## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Work undertaken to prepare an assessment

#### 5. What work do you complete when you are preparing an LCA for a single dwelling? (Please tick box)

- A meeting on site with the land owner to discuss options
- Collation of data/desktop analysis (e.g. location of waterways, rainfall data)
- Onsite soil testing
- Soil testing for laboratory analysis
- Meeting with Council's Environmental Health Officer
- Meeting with a Council Town Planner
- Meeting or conversation with Goulburn Murray Water
- Calculation of dwelling densities in the area
- Analysis of water quality in the area
- Identification and classification of nearby waterways
- Identification of whether the waterway feeds a potable water supply (e.g. reservoir or offtake point)
- Discussion with other LCA experts about possible solutions

Other (please specify)

#### 6. What work do you complete when preparing a LCA for a residential subdivision?

- A meeting on site with the land owner
- Collation of data/desktop analysis (e.g. location of waterways, rainfall data)
- Onsite soil testing
- Soil testing for laboratory analysis
- Meeting with Council's Environmental Health Officer
- Meeting with a Council Town Planner
- Meeting or conversation with Goulburn Murray Water
- Calculation of dwelling densities in the area
- Analysis of water quality in the area
- Identification and classification of nearby waterways
- Identification of whether a waterway flows into a potable water supply (i.e. reservoir or potable off take point)
- Discussion with other LCA experts as to possible solutions

Other (please specify)

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Preparing an assessment

#### 7. Do you use the Municipal Association of Victoria's template?

- Always
- Sometimes
- Never

#### 8. Please briefly tell us why you do or don't use the MAV template.

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### 9. How could Council best help you with the LCA process? (Please choose one option only).

- Provision of more online information (e.g. rainfall data)
- Organise forums to share information with other LCA experts
- Provide LCA related training in partnership with government departments and water corporations
- Simplify the LCA process by providing a template that meets the needs of Council and local water corporations
- Provide wastewater volumes for the EPA's Code of Practice 2013 formula

Other (please specify)

### 10. Thinking about your answer to Question 9, what do you see as the most important ways in which Council can assist you with the LCA process? Please rate in order of importance, with 1 being the most important.

<input type="text"/>	Provision of more online data
<input type="text"/>	Organise forums to share information with other LCA experts
<input type="text"/>	Provide LCA related training in partnership with government departments and water corporations
<input type="text"/>	Simplify the LCA process by providing a template that meets the needs of Council and local water corporations
<input type="text"/>	Provide wastewater volumes for the EPA's Code of Practice 2013 formula

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Site and system management recommendations

#### 11. Do you provide system and soil management recommendations in your LCAs?

- Yes
- No
- Sometimes

#### 12. What types of things do you cover in your management recommendations?

- Installation requirements
- How the system works
- Soil remediation requirements
- Information for the landowner about how to effectively maintain the onsite system
- Information about reporting requirements to Council about maintenance undertaken
- Explanation of what chemicals/household cleaners not to use
- Signs to look for if the system is not working properly

Other (please specify)

## LCA Expert Survey to inform the Strathbogie Shire DWMP

### Implementation of management plans by land owners/residents

#### 13. Do you think landowners/residents follow your management recommendations?

- Yes
- No
- Sometimes

#### 14. Overall, what do you think can be done to help landowners/residents implement management plans?

- Provision of a checklist when a Certificate to Use is issued
- More publicity by Council to remind people to maintain their system
- Provision of more information on how to use and maintain onsite systems for new residents
- Organise seminars for landowners/residents about how to maintain their onsite system

Other (please specify)

#### 15. What percentage of landowners/residents do you believe follow your management recommendations?

- 0 - 20%
- 20 - 50%
- 50 - 80%
- 80 - 100%

## LCA Expert Survey to inform the Strathbogie Shire DWMP

**16. How do you think Council can best monitor compliance with maintenance requirements and Certificates to Use?**

**17. Thank you for taking the time to provide valuable input into the development of the Strathbogie Shire Domestic Wastewater Management Plan.**

**While this questionnaire has been anonymous to this point, you do have the option to provide an email address below should you want to be kept informed about the progress of the project.**

Name	<input type="text"/>
Company	<input type="text"/>
Email	<input type="text"/>

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

Strathbogie Shire Council is currently preparing a Domestic Wastewater Management Plan (DWMP) in partnership with Goulburn Murray Water and Goulburn Valley Water.

Council believes it is important to inform the DWMP through the involvement of local experts who install and service onsite domestic wastewater systems. The information you provide us will be used to develop actions and strategies for implementation over the next five years.

We have endeavoured to make this survey as short and as simple as possible, however please use the comment boxes to provide us with any additional information you feel is important for us to consider.

While the survey is completely anonymous you are able to nominate an email address at the end of the survey should you wish to receive direct updates of the progress of the DWMP project, which is due to be completed by July 2015.

**Thank you for your time and we look forward to hearing your issues and solutions.**

Click the button below when you are ready to start the survey.

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### Background Information

**\*1. How many years have you been installing and/or servicing onsite domestic wastewater systems?**

- < 2 years
- 2 - 5 years
- 5 - 10 years
- > 10 years

**\*2. What qualifications do you have to install/service wastewater systems?**

- Licenced Plumber
- Certified installer for a range of onsite systems
- No formal qualifications but years of experience in the field

Other (please specify)

**\*3. How many new systems would you install each year within Strathbogie Shire?**

- < 5
- 5 - 10
- 10 +

**\*4. How many existing systems would you service each year within Strathbogie Shire?**

- < 10
- 10 - 20
- 20 - 40
- 40+



## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### Installing new systems

**\*5. Please indicate the types of properties you are installing new systems for and what percentage they represent of all systems you install.**

	0 - 20%	20 - 40%	40 - 60%	60 - 80%	80 - 100%
New dwellings on small blocks within townships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New dwellings on small rural blocks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Removal of old systems and replacement with a new system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
A holiday house around Lake Nagambie/Goulburn Weir	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small commercial systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**6. What types of systems do you install and what percentage does each type represent?**

	0 - 20%	20 - 40%	40 - 50%	50 - 70%	70 - 100%
Standard septic systems with trenching	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Advanced secondary greywater systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aerated treatment systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Membrane filtration systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reedbed systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sand and other media trickling feeder systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Incinerating toilets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wet composting systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Dry composting toilets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

**7. In your experience what do you think is the most effective system for Strathbogie Shire? Please tell us why.**

**8. In your experience what is the most cost effective system for Strathbogie Shire? Please tell us why.**

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### 9. What issues do you commonly face when installing new systems?

- The approved plans aren't clear enough to follow
- You've found that the system location will not work (e.g. you've unexpectedly hit rock)
- Your client doesn't understand how much space the system will take up
- Your client doesn't want you to connect the irrigation pipes as they want to use the wastewater to water the garden
- Your client wants you to do something different to the approved plans
- Other (please specify)

### 10. How do you usually solve these problems?

- I sort it out myself
- I talk to Council's Environmental Health Officer
- I talk to other experts or the system manufacturer to identify a solution
- I educate the land owner about the need to stick to the approved plans

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### How Council may be able to assist

**11. We'd like you to think about how Council can best assist you when installing new systems. Please rank the options below, starting with 1, which is the thing you think would help you most.**

<input type="text"/>	Provision of more online information for landowners about system design and requirements
<input type="text"/>	Hold workshops for landowners wanting to build a house and new residents
<input type="text"/>	Organise forums to share information with other local experts
<input type="text"/>	Organising training at local venues
<input type="text"/>	Organising meetings with LCA experts to discuss local issues and possible solutions

**12. Do you have any other ideas about how Council can help you?**

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### Servicing of Existing Systems

#### 13. Turning to the servicing of existing systems, what types of things do you do?

- 3 monthly servicing under a maintenance contract
- 3 yearly servicing of septics
- Checking of sludge levels
- Checking that wastewater is being contained within site boundaries
- Measuring treated water quality
- Flushing out of drainage lines
- Checking alarms and floats are operating correctly
- Checking the rein drains aren't blocked
- Educating the land owner about how the system operates
- Providing information to the land owner about maintenance schedules
- Preparation and submission of maintenance reports to Council

Other (please specify)

#### 14. What percentage of land owners and residents do you think follow maintenance requirements?

- 0 - 20%
- 20 - 40%
- 40 - 60%
- 60 - 80%
- 80 - 100%

#### 15. Please tick what you usually find when undertaking maintenance.

- The system is working effectively
- There is a need for maintenance as the system hasn't been looked at for some time
- The aerated system needs to be adjusted
- Wastewater is being discharged offsite
- The land owner is responsive to entering into or renewing a maintenance contract
- The land owner will not pay for the required maintenance
- The land owner cannot pay for the required maintenance

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### Existing systems for holiday homes

#### 16. What are the common maintenance issues for holiday homes?

- Lack of overall maintenance
- Lack of desludging
- Lack of knowledge by the land owner/users about how to maintain an onsite system
- Lack of understanding about what cleaning chemicals (etc) to use or objects that can/can't be put down the toilet
- Alarms have been going off but ignored/not attended to
- Blocked drainage lines

Other (please specify)

#### 17. Strathbogie Shire has quite a few holiday homes. Do you think these systems are maintained as well as permanent homes?

- Yes
- No
- About the same

## Survey for Installers/Service Technicians of Onsite Domestic Wastewater

### Enforcement of Maintenance Agreements

**18. Do you think Council could do more to ensure land owners and residents comply with maintenance agreements and regularly maintain their onsite system?**

- Yes
- No
- Don't know/Don't have a view

**19. If you answered YES to Question 18, please tell us what we could do.**

- Provide them with information through a New Residents Kit
- More information on the Shire's website
- Hold information sessions about how to care for their system once or twice a year
- Remind them when maintenance is due

Other (please specify)

**20. Thank you for participating in this survey. If you want to be updated on the progress of the Strathbogie Shire DWMP, please provide a contact name and email address below.**

<b>Name</b>	<input type="text"/>
<b>Company</b>	<input type="text"/>
<b>Email</b>	<input type="text"/>

## 16. References

### Section 2

*Memorandum of Understanding for Planning Permit Applications in Open Potable (Special) Water Supply Catchment Areas*, June 2013 (Strathbogie Shire Council and Goulburn Murray Water)

*Ministerial Guidelines for Planning Permit Applications in Open, Potable Water Supply Catchment Areas*, November 2012 (Department of Environment and Primary Industries)

### Section 4

*Approaches for Risk Analysis of Development with Onsite Wastewater Disposal in Open Potable Catchments*, April 2014 (Dr Robert Edis)

*A Discussion Paper for the Initial Work Associated with the Preparation of a Shire Domestic Wastewater Management Plan*, April 2014, (Mr Larry White)

*A Review for Risk Analysis of Development with Onsite Wastewater Disposal in Open Potable Water Catchments*, March 2014 (Dr Robert van de Graaff of van de Graaff and Associates Pty Ltd)

### Section 8

2001, 2006 and 2011 Census QuickStats (Australian Bureau of Statistics)

Victoria In Future, August 2015 (Department of Environment, Land, Water and Planning)

Various Strathbogie Shire Profile Data (profile.id) <http://profile.id.com.au/strathbogie/home>

*Residential Building Approvals Data* sourced from the Strathbogie Shire Website Community Profile (Australian Bureau of Statistics)

*Planning Permit Activity Reporting System Annual Reports for Strathbogie Shire 2011/12 to 2013/14* (Department of Transport, Planning and Local Infrastructure)

*Planning Permit Activity Reporting System Monthly Reports for Strathbogie Shire 2014* (Department of Transport, Planning and Local Infrastructure)

*Strathbogie Shire Rural Residential Strategy*, 2004 (Beca Pty Ltd)

Strathbogie Planning Scheme

### Section 9

*The Third Benchmark of Condition Report – Goulburn Broken 2012* (Department of Primary Industries and Environment)

Victorian Water Resources Online

[http://vro.depi.vic.gov.au/dpi/vro/map\\_documents.nsf/pages/gb\\_dwsc](http://vro.depi.vic.gov.au/dpi/vro/map_documents.nsf/pages/gb_dwsc) (Department of Environment, Land, Water and Planning)



*A Report on the Seven Creeks and Mountain Hut Catchment Area (Euroa Water Supply) – A Proposal for Proclamation for the Consideration of the Land Conservation Council, 1984 (J F Wood & D M McKinnon)*

*Nine Mile Creek (Longwood) Proposal for Proclamation, October 1989 (Land Conservation Council)*

## **Section 10**

*Nagambie Waterways Land and On-Water Management Plan, 2012 (Goulburn Murray Water)*

*Goulburn Valley Water 2013/14 Annual Report (Goulburn Valley Water)*

*Water Quality Annual Reports 2012/12 and 2013/4 (Goulburn Valley Water)*

*Safe Drinking Water Annual Report 2013/14, September 2014 (Goulburn Murray Water)*

## **Section 11**

*Strathbogie Shire Rural Residential Strategy, 2004 (Beca Pty Ltd)*

*Strathbogie Shire Stormwater Management Plan (Volume 1), 2005 (EarthTech)*

*Nagambie Growth Management Strategy, 2008 (Plansisphere)*

## **Section 12**

*Mansfield Shire Domestic Wastewater Management Plan, August 2014 (Mansfield Shire Council)*