

Farmers and Regional NRM Delivery

Survey results from three regions

Volume 2: Appendices

A report for the Cooperative Venture for Capacity Building in Rural Industries
prepared under RIRDC project no. UNE 91-A *Nesting community-based NRM for
regional accountability and grassroots cooperation*

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APPENDIX A: COVERING LETTERS, QUESTIONNAIRES, FOLLOW-UP LETTERS AND FOLLOW-UP QUESTIONNAIRES FOR THE THREE CASES

[Covering letter for the Blackwood Basin case]

Dear Landholder,

I am writing to ask for your help with a study of how natural resource management (NRM) policy is affecting farmers in the Blackwood Basin, and how it could be changed to better meet farmers' needs. The Institute for Rural Futures, at the University of New England in Armidale NSW, is leading this project with the cooperation in your region of the Blackwood Basin Group and the South West Catchments Council.

The Institute for Rural Futures is an independent research group, with a long history of bringing the views of farmers to the attention of government. The study is funded by the Rural Industries Research and Development Corporation.

How were you chosen?

Your name and address were selected randomly from a list of farmers in the Blackwood Basin. The Basin's boundaries are shown overleaf on the map of the South West Catchments Region.

Filling it in

Your participation is entirely voluntary, and we appreciate that your time is valuable. But if you can help us with this survey, please fill in and return the enclosed form. It should only take you 15-20 minutes. A reply-paid envelope is provided for your convenience.

Even if you are not familiar with current NRM arrangements, your views about these issues are important to us. If you are not sure about a particular question, just leave it blank and go on to the next one.

Confidentiality

The information you provide is *totally confidential*. No information will be linked directly to a particular individual or property, and names are not recorded on questionnaires. Only the project team at the University of New England will be allowed to view the completed questionnaires or the individual data obtained from them.

The number at the top of the form is for mailing purposes only, so that we do not send a reminder note to those who have returned their survey form. The number is removed from the survey form for data entry purposes, leaving no record of who filled it in. If you would like more information about the survey, please ring me on 02 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[Questionnaire for the Blackwood Basin case]

1. **Did you, or your immediate family, obtain income over the last few years from farming land in the Blackwood Basin?** The boundaries of the Blackwood Basin (and the shires it covers) are shown in the map above as the area marked 'Blackwood'. By 'farming' we mean all types of production of food and fibre in rural areas, including grazing and horticulture.

YES NO

If you answered NO, there is no need to continue. Please return the survey form in the reply-paid envelope.

We begin by looking at threats to your farm business

2. **How much does each issue below pose a threat to the future of your farm business?** Tick one box for each issue.

	No threat	Minor threat	Moderate threat	Large threat	Very large threat
Government regulation	<input type="checkbox"/>				
Commodity prices	<input type="checkbox"/>				
Drought	<input type="checkbox"/>				
Dryland salinity	<input type="checkbox"/>				
Soil erosion	<input type="checkbox"/>				
Waterlogging	<input type="checkbox"/>				
Soil structure decline	<input type="checkbox"/>				
Loss of native vegetation	<input type="checkbox"/>				
Water quality decline	<input type="checkbox"/>				
Loss and fragmentation of habitat	<input type="checkbox"/>				
Soil acidity / acid sulphate soils	<input type="checkbox"/>				

3. **What are the main ways that government regulation is causing problems for your farm business?**
Please discuss briefly. There is additional space at the end of this form if you need it.

Now we'd appreciate some information about your property

4. What is the total area of land owned or managed by you or your immediate family in the Blackwood Basin? _____ or _____ acres
 hectares

From now on, this area will be called 'your property'

5. In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) *from farming* over the last few years that came from each of the enterprise types below. The percentages should add to 100%.

	% contribution
Broadacre cropping	_____
Grazing	_____
Dairy	_____
Horticulture / viticulture	_____
Other farming enterprises. Please describe: _____	_____

6. Under what tenure is your property mainly held? Tick one.

Freehold	Crown leasehold	Leased, agisted or sharefarmed from another landholder	Other. Please describe:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Under the regional approach to natural resource management, landholders in the Blackwood Basin are being encouraged to use various practices. In this section, we are interested in your views on some of these practices and their use.

7. **How strongly would use of each practice below *help* or *hurt* your property's chances of achieving its main goals?** Tick one box for each practice. *If the practice doesn't apply to your situation, please tick 'Not applicable'.*

	Not applicable	Help greatly	Help moderately	Help slightly	Hurt slightly	Hurt moderately	Hurt greatly
Surface water management (contour banks, water collection systems)	<input type="checkbox"/>						
Groundwater management (pumping & deep drainage)	<input type="checkbox"/>						
Establish perennial vegetation (alleys, blocks and native plantings)	<input type="checkbox"/>						
Establish perennial pastures (eg, Lucerne, perennial rye grasses, etc)	<input type="checkbox"/>						
Revegetation and protective fencing (terrestrial and riparian)	<input type="checkbox"/>						
Soil remediation (organic matter, carbon cycling & nutrient management/ fertiliser management)	<input type="checkbox"/>						
Zero or minimum tillage cropping	<input type="checkbox"/>						
Pest and weed control	<input type="checkbox"/>						

In Questions 8 to 12 we are interested only in those practices that apply to your property. Hence, no answers are needed for the practices you marked as 'Not applicable' in Question 7.
 (If you marked 'Not applicable' for ALL the practices listed, please proceed now to Question 13.)

8. Properties differ in their suitability for using particular practices. Landholders vary too in their goals and opportunities to use new practices. Please indicate below the *approximate* areas of your property on which: each practice below is *already* in use; and you expect each practice to be used in *10 years* time.

	Area used already		Area used in 10 years time	
	hectares	or acres	hectares	or acres
Surface water management	_____	_____	_____	_____
Groundwater management	_____	_____	_____	_____
Establish perennial vegetation	_____	_____	_____	_____
Establish perennial pastures	_____	_____	_____	_____
Revegetation and protective fencing	_____	_____	_____	_____
Soil remediation	_____	_____	_____	_____
Zero or minimum tillage cropping	_____	_____	_____	_____
Pest and weed control	_____	_____	_____	_____

9. From what you have seen and heard, how widely is each practice below *already* used in your district? Tick one box for each practice that applies to your property.

	Zero or minimal use	Limited use	Moderate use	Wide use
Surface water management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial pastures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Revegetation and protective fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil remediation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero or minimum tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pest and weed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. How widely do you expect each practice will eventually be used in your district? Tick one box for each practice.

	Zero or minimal use	Limited use	Moderate use	Wide use
Surface water management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial pastures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Revegetation and protective fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil remediation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero or minimum tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pest and weed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Sometimes, if a practice is going to work properly on one place, it needs also to be used by other landholders in the same district. In your view, how much does the effectiveness on your property of each practice below depend on what others in your district are doing? Tick one box for each practice.

	Doesn't depend on others	Possibly depends on others	Certainly depends on others
Surface water management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial pastures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Revegetation and protective fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil remediation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero or minimum tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pest and weed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. This question is concerned only with those practices for which you marked ‘Possibly/Certainly depends on others’. For each of these practices, how likely is it that other landholders in your district will use the practice sufficiently for it to work properly on your place? Tick one box for each of these practices.

	Highly unlikely	Unlikely	Neither likely or unlikely	Likely	Highly likely
Surface water management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Groundwater management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish perennial pastures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Revegetation and protective fencing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil remediation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Zero or minimum tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pest and weed control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Now we’d appreciate your views on the current way of delivering funds to farmers for on-ground action in natural resource management (NRM). If you feel unable to respond to any item, please leave it blank.

13. Governments are concerned that their publicity about changes in NRM funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following. Tick one box for each item.

	Yes, I’ve heard about it	Possibly I heard about it	No, I haven’t heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the South West Catchments Council (SWCC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The board of SWCC consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The part of this region where your property lies has it own NRM body called the Blackwood Basin Group (BBG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG committee consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG advises SWCC on NRM funding decisions concerned with the Blackwood Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. In the last few years, how much have you or others on your property had personal contact with the South West Catchments Council and the Blackwood Basin Group? Tick one box for each body.

	Frequent personal contact	Fairly frequent personal contact	Occasional personal contact	No personal contact
South West Catchments Council (SWCC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Blackwood Basin Group (BBG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management (NRM)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The regional approach has reduced the 'red tape' for landholders seeking NRM funds for on-ground activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way for governments to 'pass the buck' on difficult issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Western Australian (WA) Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is part of a strategy to increase government regulation of rural land-use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is an improvement on previous approaches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way to transfer NRM costs onto volunteers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. How strongly do you agree or disagree with each of the following statements about the South West Catchments Council (SWCC)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
SWCC is less bureaucratic than government generally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWCC understands the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community members on SWCC can be trusted to argue forcefully for the best interests of the South West Catchments Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWCC is just a 'rubber stamp' for decisions made by the Federal Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWCC is just a 'rubber stamp' for decisions made by the WA Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff of SWCC care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWCC is serious about helping our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NRM at the scale of the South West Catchments Region is so remote that it discourages us from getting involved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. **How strongly do you agree or disagree with each of the following statements about the Blackwood Basin Group (BBG)?** Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The BBG is less bureaucratic than government generally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG understands the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community members on the BBG can be trusted to argue forcefully for the best interests of the Blackwood Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG is just a 'rubber stamp' for decisions made by the Federal Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG is just a 'rubber stamp' for decisions made by the WA Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG is just a 'rubber stamp' for decisions made by SWCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff of the BBG care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The BBG is serious about helping our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NRM at the scale of the Blackwood Basin is so remote that it discourages us from getting involved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

18. **We are also interested in *local* groups concerned with sustainable farming / grazing / irrigation issues, or natural resource or environmental issues, on or near your property. Please list any such groups that your property has been involved with over the last few years.**

19. **Circle the *one* local group that your property has been most involved with over the last few years.**

20. **Please indicate you property's level of involvement with *this* local group over the last few years.** Tick one box.

Active involvement

Fairly active involvement

Occasional involvement

21. **How strongly do you agree or disagree with each of the following statements about *this* local group?**
Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The BBG understands the issues faced by this group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The work of the BBG has helped make this group more effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
This group should work wherever possible with the BBG on issues of common interest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SWCC understands the issues faced by this group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The work of SWCC has helped make this group more effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
This group should work wherever possible with SWCC on issues of common interest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

22. **Does this group have paid staff to support it?** Tick one box.

Yes No ➔ Proceed to Question 24 Unsure ➔ Proceed to Question 24

23. **How strongly do you agree or disagree with each of the following statements?** Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
Paid staff supporting this group have the experience and skills needed to do a good job	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff understand the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff are too busy to give this group the support it really needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Finally, we need a few details about you. This will help us ensure that our findings represent the views of all landholders. Remember: All the information you provide is completely confidential.

24. **Are you** Female or Male ?

25. **In which year were you born?** _____

26. **How long have you lived in the district where your property is located?** _____ years

27. **How likely will your property be passed on to the next generation?**

Very likely Likely Unlikely Very unlikely Unsure

28. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below. If a goal important for your property is not listed, please add it and indicate its priority. Tick one box for each goal.

Goal: To maintain or enhance ...	Very low priority	Low priority	Moderate priority	High priority	Very high priority
Our way of life	<input type="checkbox"/>				
Our family's income	<input type="checkbox"/>				
Profitability of our farm business	<input type="checkbox"/>				
Productivity of our land and other resources	<input type="checkbox"/>				
Our technical skills and innovation	<input type="checkbox"/>				
Our standing in the community	<input type="checkbox"/>				
Attractiveness of our property	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				
Other. Please describe: _____	<input type="checkbox"/>				

29. As an adult (since turning 18), how many years practical experience do you have in owning, managing or working on an agricultural or grazing property?

_____ years

30. What is the highest level of formal education you completed? Tick one.

Primary school	Part secondary school	All secondary school	Trade or technical certificate	Diploma or associate diploma	Degree	Other. Please describe.
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other: _____

31. Approximately, what is your current level of equity in your property? (In other words, if you sold your farm and stock today, and got a fair market price, about what percentage of the total sales price would you keep after all debts were paid?)

More than 90% (debt free or almost so)	70% – 89%	50% – 69%	Less than 50%
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

32. In the last few years, about what proportion of your household's total net income came from farming activities on your property? Tick one.

More than 90%	70% - 89%	50% - 69%	20% - 49%	Less than 20%
<input type="checkbox"/>				

33. **How profitable has your property been over the last few years?** Tick one.

Very profitable Profitable Breaking even Unprofitable Very unprofitable

34. **How strongly do you agree or disagree with each of the following statements?** Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I feel a bond with our property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with the Blackwood Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with the South West Catchments Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have little control over the things that happen to me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is little I can do to change many of the important things in my life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What happens to me in the future mostly depends on me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can do just about anything I really set my mind to do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional comments: If there is something we have overlooked, or you wish to add further comments, please use this space or attach further pages.

This is the end of the survey form. In case any pages have stuck together, please check that you have answered all questions which apply to you. Then please return this form in the reply-paid envelope.

Thank you for participating in this important survey

[1st reminder letter for the Blackwood Basin case]

Dear Landholder,

About six weeks ago, I sent you a survey form as part of a study of how natural resource management policies and programs could be changed to better serve the needs of farmers in the Blackwood Basin. To date, I do not seem to have received a completed survey form from you. It is possible that your completed form is still on its way here in the post. If so, please take this as my thanks for your assistance, and disregard the rest of the letter.

We realise that this is a busy time of year for many farmers. If you have not been able to complete the survey as yet, we hope that you can find time in the next couple of weeks. Your response is vitally important to ensure that the survey findings accurately reflect the range of views of farmers in the Blackwood Basin about natural resource management programs and policies. Enclosed for your convenience is a copy of the survey form together with a replied paid envelope. I assure you that your response will remain *totally confidential*.

If there is anything regarding the survey you would like to talk to me about, please do not hesitate to call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[One-page follow-up questionnaire for the Blackwood Basin case]

Dear Farmer or Grazier,

Some weeks ago I sent you a survey for a study of how natural resource management programs could be changed to better serve the needs of farmers and graziers in the Blackwood Basin. *If you have already returned the survey, please ignore this letter and take this as our thanks for your help.*

The Institute for Rural Futures (at the University of New England, Armidale NSW) is leading this study. We are an independent research group with a long history of bringing the views of farmers and graziers to the attention of government. The Blackwood Basin Group (BBG) and the South West Catchments Council (SWCC) are partners in the study.

We have had a good response to the survey, which has provided invaluable information on the needs and views of Blackwood Basin producers concerning natural resource management. To make sure the study helps primary producers in your region as much as possible, we need at least a small amount of information from producers like yourself.

We appreciate it can be hard to find the time to answer the many surveys that producers receive. However, if you have a minute to answer the few questions below, this will help to ensure our findings are representative of all farmers and graziers in your region. A reply-paid envelope is enclosed for your convenience. *Your participation is entirely voluntary, and your answers will remain totally confidential.* If there is anything about the survey you would like to talk about, please call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall – Project Director, Institute for Rural Futures, University of New England, Armidale 2351

1. Did you, or your immediate family, obtain income over the last few years from farming land in the Blackwood Basin?

NO → Please return this form in the reply-paid envelope provided YES → Please go to the next question

2. What is the total area of land owned or managed by you or your immediate family in the Blackwood Basin?

_____ hectares or _____ acres

3. In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) from farming over the last few years that came from each of the enterprise types below.

	% contribution		% contribution
Broadacre cropping	_____	Horticulture / viticulture	_____
Grazing	_____	Other. Please describe: _____	_____
Dairy	_____		

4. Governments are concerned that their publicity about changes in natural resource management (NRM) funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following:

	Yes, I've heard about it	Possibly I heard about it	No, I haven't heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the South West Catchments Council (SWCC)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The part of this region where your property lies has its own NRM body called the Blackwood Basin Group (BBG)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.

	Very low Priority	Low priority	Moderate priority	High priority	Very high priority
Goal: To maintain or enhance ...					
Profitability of our farm business	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				

[Covering letter for the Central Highlands case]

Dear Landholder,

I am writing to ask for your help with a study of how natural resource management (NRM) policy is affecting farmers in the Central Highlands, and how it could be changed to better meet farmers' needs. The Institute for Rural Futures, at the University of New England in Armidale NSW, is leading this project with the cooperation in your region of the Central Highlands Regional Resources Use Planning Cooperative (CHRRUP) and the Fitzroy Basin Association (FBA).

The Institute for Rural Futures is an independent research group, with a long history of bringing the views of farmers to the attention of government. The study is funded by the Rural Industries Research and Development Corporation.

How were you chosen?

Your name and address were selected randomly from a list of farmers in the Central Highlands.

Filling it in

Your participation is entirely voluntary, and we appreciate that your time is valuable. But if you can help us with this survey, please fill in and return the enclosed form. It should only take you 15-20 minutes. A reply-paid envelope is provided for your convenience.

Even if you are not familiar with current NRM arrangements, your views about these issues are important to us. If you are not sure about a particular question, just leave it blank and go on to the next one.

Confidentiality

The information you provide is *totally confidential*. No information will be linked directly to a particular individual or property, and names are not recorded on questionnaires. Only the project team at the University of New England will be allowed to view the completed questionnaires or the individual data obtained from them.

The number at the top of the form is for mailing purposes only, so that we do not send a reminder note to those who have returned their survey form. The number is removed from the survey form for data entry purposes, leaving no record of who filled it in. If you would like more information about the survey, please ring me on 02 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[Questionnaire for the Central Highlands case]

1. **Did you, or your immediate family, obtain income over the last few years from farming land in the Central Highlands?** By ‘farming’ we mean all types of production of food & fibre in rural areas, including grazing and horticulture.
- YES NO

If you answered NO, there is no need to continue. Please return the survey form in the reply-paid envelope.

We begin by looking at threats to your farm business

2. **How much does each issue below pose a threat to achieving your property’s main goals?** Tick one box for each issue.

	No threat	Minor threat	Moderate threat	Large threat	Very large threat
Government regulation	<input type="checkbox"/>				
Commodity prices	<input type="checkbox"/>				
Drought	<input type="checkbox"/>				
Pest plants and animals	<input type="checkbox"/>				
Soil erosion	<input type="checkbox"/>				
Loss of soil fertility and structure	<input type="checkbox"/>				
Over-clearing and biodiversity loss	<input type="checkbox"/>				
Declining water quality and quantity	<input type="checkbox"/>				
Salinity	<input type="checkbox"/>				

3. **What are the main ways that government regulation is causing problems for your farm business?** Please discuss briefly. There is additional space at the end of this form if you need it.

Now we'd appreciate some information about your property

4. **What is the total area of land owned or managed by you or your immediate family in the Central Highlands?** _____ or _____ acres
 hectares

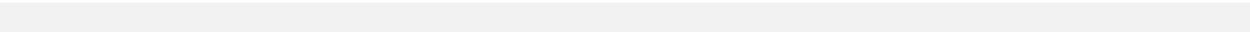
From now on, this area will be called 'your property'

5. **In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) from farming over the last few years that came from each of the enterprise types below.** The percentages should add to 100%.

	% contribution
Broadacre cropping – dryland	_____
Broadacre cropping – irrigated	_____
Grazing	_____
Dairy	_____
Horticulture / viticulture	_____
Other farming enterprises. Please describe: _____	_____

6. **Under what tenure is your property mainly held? Tick one.**

Freehold	Crown leasehold	Leased, agisted or sharefarmed from another landholder	Other. Please describe:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Under the regional approach to natural resource management, landholders in the Central Highlands are being encouraged to use various practices. In this section, we are interested in your views on some of these practices and their use.

7. How strongly would use of each practice below *help* or *hurt* your property’s chances of achieving its main goals? Tick one box for each practice. *If the practice doesn’t apply to your situation, please tick ‘Not applicable’.*

	Not applicable	Help greatly	Help moderately	Help slightly	Hurt slightly	Hurt moderately	Hurt greatly
Maintain groundcover on grazing land	<input type="checkbox"/>						
Fencing to land type for grazing	<input type="checkbox"/>						
Minimum or zero tillage cropping	<input type="checkbox"/>						
Soil conservation measures (eg, contour banks)	<input type="checkbox"/>						
Irrigation water-use efficiency measures	<input type="checkbox"/>						
Property management planning (eg, with CHRRUP, cotton BMP, or FMS programs)	<input type="checkbox"/>						
Fencing riparian areas and installing watering points	<input type="checkbox"/>						
Environmental weeds control (eg, parthenium, parkinsonia, rubber vine)	<input type="checkbox"/>						

In Questions 8 to 12 we are interested only in those practices that apply to your property. Hence, no answers are needed for the practices you marked as ‘Not applicable’ in Question 7. (If you marked ‘Not applicable’ for ALL the practices listed, please proceed now to Question 13.)

8. Properties differ in their suitability for using particular practices. Landholders vary too in their goals and opportunities to use new practices. Please indicate below the *approximate* areas of your property on which: each practice below is *already* in use; and you expect each practice to be used in *10 years time*.

	<u>Area used already</u>		<u>Area used in 10 years time</u>	
	hectares	or acres	hectares	or acres
Maintain groundcover on grazing land	_____	_____	_____	_____
Fencing to land type for grazing	_____	_____	_____	_____
Minimum or zero tillage cropping	_____	_____	_____	_____
Soil conservation measures	_____	_____	_____	_____
Irrigation water-use efficiency measures	_____	_____	_____	_____
Property management planning	_____	_____	_____	_____
Fencing riparian areas and installing watering points	_____	_____	_____	_____
Environmental weeds control	_____	_____	_____	_____

9. From what you have seen and heard, how widely is each practice below *already* used in your *district*?
 Tick one box for each practice that applies to your property.

	Zero or minimal use	Limited use	Moderate use	Wide use
Maintain groundcover on grazing land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing to land type for grazing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum or zero tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil conservation measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irrigation water-use efficiency measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Property management planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing riparian areas and installing watering points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental weeds control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. How widely do you expect each practice will *eventually* be used in your *district*? Tick one box for each practice.

	Zero or minimal use	Limited use	Moderate use	Wide use
Maintain groundcover on grazing land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing to land type for grazing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum or zero tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil conservation measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irrigation water-use efficiency measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Property management planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing riparian areas and installing watering points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental weeds control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Sometimes, if a practice is going to work properly on one place, it needs also to be used by other landholders in the same district. In your view, how much does the effectiveness on your property of each practice below depend on what others in your district are doing? Tick one box for each practice.

	Doesn't depend on others	Possibly depends on others	Certainly depends on others
Maintain groundcover on grazing land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing to land type for grazing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum or zero tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil conservation measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irrigation water-use efficiency measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Property management planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing riparian areas and installing watering points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental weeds control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. This question is concerned only with those practices for which you marked 'Possibly depends on others' or 'Certainly depends on others'. For each of these practices, how likely is it that other landholders in your district will use the practice sufficiently for it to work properly on your place? Tick one box for each of these practices.

	Highly unlikely	Unlikely	Neither likely or unlikely	Likely	Highly likely
Maintain groundcover on grazing land	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing to land type for grazing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Minimum or zero tillage cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Soil conservation measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Irrigation water-use efficiency measures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Property management planning	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fencing riparian areas & installing watering points	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental weeds control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Now we'd appreciate your views on the current way of delivering funds to farmers for on-ground action in natural resource management (NRM). If you feel unable to respond to any item, please leave it blank.

13. Governments are concerned that their publicity about changes in NRM funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following. Tick one box for each item.

	Yes, I've heard about it	Possibly I heard about it	No, I haven't heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the Fitzroy Basin Association (FBA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The board of the FBA consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The part of this region where your property lies has its own NRM body called the Central Highlands Regional Resources Use Planning Cooperative (CHRRUP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The board of CHRRUP consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP advises the FBA on NRM funding decisions concerned with the Central Highlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. In the last few years, how much have you or others on your property had personal contact with the Fitzroy Basin Association and the Central Highlands Regional Resources Use Planning Cooperative? Tick one box for each body.

	Frequent personal contact	Fairly frequent personal contact	Occasional personal contact	No personal contact
Fitzroy Basin Association (FBA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Central Highlands Regional Resources Use Planning Cooperative (CHRRUP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. CHRRUP and the FBA already have directed on-ground funding to the following Neighbourhood Catchments. If your property is located in one of these catchments, please tick the appropriate box.

Emerald 2004-05	Consuelo Creek 2004-05	Carnarvon Creek 2004-05	Wolfgang (Clermont) 2005-06	Orion/Springsure/ Minerva Creeks 2005- 06
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management (NRM)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The regional approach has reduced the 'red tape' for landholders seeking NRM funds for on-ground activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way for governments to 'pass the buck' on difficult issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Queensland Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is part of a strategy to increase government regulation of rural land-use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is an improvement on previous approaches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way to transfer NRM costs onto volunteers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. How strongly do you agree or disagree with each of the following statements about the Fitzroy Basin Association (FBA)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The FBA is less bureaucratic than government generally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The FBA understands the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community members on the FBA can be trusted to argue forcefully for the best interests of the Fitzroy Basin Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The FBA is just a 'rubber stamp' for decisions made by the Federal Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The FBA is just a 'rubber stamp' for decisions made by the Queensland Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff of the FBA care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The FBA is serious about helping our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NRM at the scale of the Fitzroy Basin is so remote that it discourages us from getting involved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

18. How strongly do you agree or disagree with each of the following statements about the Central Highlands Regional Resources Use Planning Cooperative (CHRRUP)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
CHRRUP is less bureaucratic than government generally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP understands the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community members on CHRRUP can be trusted to argue forcefully for the best interests of the Central Highlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP is just a 'rubber stamp' for decisions made by the Federal Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP is just a 'rubber stamp' for decisions made by the Queensland Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP is just a 'rubber stamp' for decisions made by the FBA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff of CHRRUP care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CHRRUP is serious about helping our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NRM at the scale of the Central Highlands is so remote that it discourages us from getting involved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

19. We are also interested in *local* groups concerned with sustainable farming / grazing / irrigation issues, or natural resource or environmental issues, on or near your property. Please list any such groups that your property has been involved with over the last few years.

20. Circle the *one* local group that your property has been most involved with over the last few years.

21. Please indicate your property's level of involvement with *this* local group over the last few years. Tick one box.

Active involvement Fairly active involvement Occasional involvement

22. **How strongly do you agree or disagree with each of the following statements about *this* local group?**
Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
CHRRUP understands the issues faced by this group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The work of CHRRUP has helped make this group more effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
This group should work wherever possible with CHRRUP on issues of common interest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The FBA understands the issues faced by this group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The work of the FBA has helped make this group more effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
This group should work wherever possible with the FBA on issues of common interest	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Finally, we need a few details about you. This will help us ensure that our findings represent the views of all landholders. Remember: All the information you provide is completely confidential.

23. Are you Female or Male ?

24. In which year were you born? _____

25. How long have you lived in the district where your property is located? _____ years

26. How likely will your property be passed on to the next generation?

Very likely Likely Unlikely Very unlikely Unsure

27. As an adult, how many years practical experience do you have in owning, managing or working on an agricultural or grazing property? _____ years

28. What is the highest level of formal education you completed? Tick one.

Primary school Part of secondary school All of secondary school Trade or technical certificate Diploma or associate diploma Degree Other. Please describe.

Other: _____

29. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below. If a goal important for your property is not listed, please add it and indicate its priority. Tick one box for each goal.

Goal: To maintain or enhance ...	Very low priority	Low priority	Moderate priority	High priority	Very high priority
Our way of life	<input type="checkbox"/>				
Our family's income	<input type="checkbox"/>				
Profitability of our farm business	<input type="checkbox"/>				
Productivity of our land and other resources	<input type="checkbox"/>				
Our technical skills and innovation	<input type="checkbox"/>				
Our standing in the community	<input type="checkbox"/>				
Attractiveness of our property	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				
Other. Please describe: _____	<input type="checkbox"/>				

30. Approximately, what is your current level of equity in your property? (In other words, if you sold your farm and stock today, and got a fair market price, about what percentage of the total sales price would you keep after all debts were paid?)

More than 90% (debt free or almost so)	70% – 89%	50% – 69%	Less than 50%
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

31. In the last few years, about what proportion of your household's total net income came from farming activities on your property? Tick one.

More than 90%	70% - 89%	50% - 69%	20% - 49%	Less than 20%
<input type="checkbox"/>				

32. How profitable has your property been over the last few years? Tick one.

Very profitable	Profitable	Breaking even	Unprofitable	Very unprofitable
<input type="checkbox"/>				

33. **How strongly do you agree or disagree with each of the following statements?** Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I feel a bond with our property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with the Central Highlands	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with the Fitzroy Basin Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have little control over the things that happen to me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is little I can do to change many of the important things in my life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What happens to me in the future mostly depends on me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can do just about anything I really set my mind to do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional comments: If you feel there is something we have overlooked, or you wish to add further comments, please use this space or attach further pages.

This is the end of the survey form. In case any pages have stuck together, please check that you have answered all questions which apply to you. Then please return this form in the reply-paid envelope.

Thank you for participating in this important survey

[1st follow-up letter for the Central Highlands case]

Dear Farmer or Grazier,

About six weeks ago, I sent you a survey form as part of a study of how natural resource management policies and programs could be changed to better serve the needs of farmers and graziers in the Central Highlands.

If you did not receive the survey form earlier, please accept my apology and continue reading. Alternatively, you may have already posted me your completed form. If that's the case, please take this as my sincere thanks for your assistance and disregard the rest of the letter.

We realise that this is a busy time of year for many farmers and graziers. If you have not been able to complete the survey as yet, or did not receive it previously, I hope that you can find time to complete it in the next couple of weeks. Your response is vitally important to ensure that the survey findings reflect the range of views of farmers and graziers in the Central Highlands.

Enclosed for your convenience is a copy of the survey form together with a replied paid envelope. I assure you that your response will remain *totally confidential*. If you have already completed and posted me a form, there is no need to do so again.

If there is anything about the survey you would like to talk to me about, please do not hesitate to call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[One-page follow-up questionnaire for the Central Highlands case]

Dear Farmer or Grazier,

Some weeks ago I sent you a survey for a study of how natural resource management programs could be changed to better serve the needs of farmers and graziers in the Central Highlands. If you have already returned the survey, please ignore this letter and take this as our thanks for your help.

The Institute for Rural Futures (at the University of New England, Armidale NSW) is leading this study. We are an independent research group with a long history of bringing the views of farmers and graziers to the attention of government. The Central Highlands Regional Resources Use Planning Cooperative (CHRRUP) and the Fitzroy Basin Association are partners in the study.

We have had a good response to the survey, which has provided invaluable information on the needs and views of Central Highlands producers concerning natural resource management. To make sure the study helps primary producers in your region as much as possible, we need at least a small amount of information from producers like yourself.

We appreciate it can be hard to find the time to answer the many surveys that producers receive. However, if you have a minute to answer the few questions below, this will help to ensure our findings are representative of all farmers and graziers in your region. A reply-paid envelope is enclosed for your convenience. *Your participation is entirely voluntary, and your answers will remain totally confidential.* If there is anything about the survey you would like to talk about, please call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall – Project Director, Institute for Rural Futures, University of New England, Armidale 2351

1. Did you, or your immediate family, obtain income over the last few years from farming land in the Central Highlands?

NO ⇒ Please return this form in the reply-paid envelope provided YES ⇒ Please go to the next question

2. What is the total area of land owned or managed by you or your immediate family in the Central Highlands?

_____ hectares or _____ acres

3. In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) from farming over the last few years that came from each of the enterprise types below.

	% contribution		% contribution
Broadacre cropping - dryland	_____	Dairy	_____
Broadacre cropping – irrigated	_____	Horticulture / viticulture	_____
Grazing	_____	Other. Please describe: _____	_____

4. Governments are concerned that their publicity about changes in natural resource management (NRM) funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following:

	Yes, I've heard about it	Possibly I heard about it	No, I haven't heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the Fitzroy Basin Association (FBA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The part of this region where your property lies has its own NRM body called Central Highlands Regional Resources Use Planning Cooperative (CHRRUP)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.

	Very low Priority	Low priority	Moderate priority	High priority	Very high priority
Goal: To maintain or enhance ...					
Profitability of our farm business	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				

[Covering letter for the Mallee Region dryland case]

Dear Landholder,

I am writing to ask for your help with a study of how natural resource management (NRM) policy is affecting Mallee farmers, and how it could be changed to better meet farmers' needs. The Institute for Rural Futures, at the University of New England in Armidale NSW, is leading this project with the cooperation in your region of the Mallee Catchment Management Authority and the Victorian Farmers Federation.

The Institute for Rural Futures is an independent research group, with a long history of bringing the views of farmers to the attention of government. The study is funded by the Rural Industries Research and Development Corporation.

How were you chosen?

Your name and address were randomly selected from a list of farmers in the Mallee NRM Region of Victoria. The region's boundaries are shown on the map overleaf.

Filling it in

Your participation is entirely voluntary, and we appreciate that your time is valuable. But if you can help us with this survey, please fill in and return the enclosed form. It should only take you 15-20 minutes. A reply-paid envelope is provided for your convenience. Even if you are not familiar with current NRM arrangements, your views about these issues are important to us. If you are not sure about a particular question, just leave it blank and go on to the next one.

Confidentiality

The information you provide is *totally confidential*. No information will be linked directly to a particular individual or property, and names are not recorded on questionnaires. Only the project team at the University of New England will be allowed to view the completed questionnaires or the individual data obtained from them.

The number at the top of the form is for mailing purposes only, so that we do not send a reminder note to those who have returned their survey form. The number is removed from the survey form for data entry purposes, leaving no record of who filled it in. If you would like more information about the survey, please ring me on 02 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[Questionnaire for the Mallee Region dryland case]

- 1. Did you, or your immediate family, obtain income over the last few years from farming land in the Mallee natural resource management (NRM) region of Victoria?** This region is shown in the map above. By ‘farming’ we mean all types of production of food and fibre in rural areas, including grazing and horticulture.

YES NO

If you answered NO, there is no need to continue. Please return the survey form in the reply-paid envelope.

We begin by looking at threats to your farm business

- 2. How much does each issue below pose a threat to the future of your farm business?** Tick one box for each issue.

	No threat	Minor threat	Moderate threat	Large threat	Very large threat
Government regulation	<input type="checkbox"/>				
Commodity prices	<input type="checkbox"/>				
Drought	<input type="checkbox"/>				
Pest animals (eg, rabbits, foxes, wild dogs)	<input type="checkbox"/>				
Wind erosion	<input type="checkbox"/>				
Soil salinisation	<input type="checkbox"/>				
Environmental weeds (eg, horehound, silver leaf nightshade)	<input type="checkbox"/>				
Loss of native vegetation	<input type="checkbox"/>				
Fragmentation of habitat	<input type="checkbox"/>				

- 3. What are the main ways that government regulation is causing problems for your farm business?**
Please discuss below. There is additional space at the end of this form if you need it.

Now we'd appreciate some information about your property

4. **What is the total area of land owned or managed by you or your immediate family in the Mallee NRM Region of Victoria?** _____ or _____ acres
 hectares

From now on, this area will be called 'your property'

5. **In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) from farming over the last few years that came from each of the enterprise types below.** The percentages should add to 100%.

	% contribution
Broadacre cropping	_____
Grazing	_____
Horticulture / viticulture	_____
Other farming enterprises. Please describe: _____	_____

6. **Under what tenure is your property mainly held?** Tick one.

Freehold	Crown leasehold	Leased, agisted or sharefarmed from another landholder	Other. Please describe:
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Under the regional approach to natural resource management, landholders in the Mallee Region are being encouraged to use various practices. In this section, we are interested in your views on some of these practices and their use.

7. How strongly would use of each practice below *help* or *hurt* your property’s chances of achieving its main goals? Tick one box for each practice. *If the practice doesn’t apply to your situation, please tick ‘Not applicable’.*

	Not applicable	Help greatly	Help moderately	Help slightly	Hurt slightly	Hurt moderately	Hurt greatly
Reduced or minimum tillage	<input type="checkbox"/>						
Continuous cropping	<input type="checkbox"/>						
Establish high water-use plants (eg, Lucerne)	<input type="checkbox"/>						
Control pest animals	<input type="checkbox"/>						
Control environmental weeds	<input type="checkbox"/>						
Remove grazing pressure from native vegetation	<input type="checkbox"/>						
Link patches of native vegetation (to extend wildlife corridors)	<input type="checkbox"/>						

In Questions 8 to 12 we are interested only in those practices that apply to your property – so no answers are needed for the practices you marked as ‘Not applicable’ in Question 7. (If you marked ‘Not applicable’ for ALL the practices listed, please proceed now to Question 13.)

8. Properties differ in their suitability for using particular practices. Landholders vary too in their goals and opportunities to use new practices. Please indicate below the *approximate* areas of your property on which: (a) each practice below is *already* in use; and (b) you expect each practice to be used in *10 years time*.

	<u>Area used already</u>			<u>Area used in 10 years time</u>		
	hectares	or	acres	hectares	or	acres
Reduced or minimum tillage	_____		_____	_____		_____
Continuous cropping	_____		_____	_____		_____
Establish high water-use plants	_____		_____	_____		_____
Control pest animals	_____		_____	_____		_____
Control environmental weeds	_____		_____	_____		_____
Remove grazing pressure from native vegetation	_____		_____	_____		_____
Link patches of native vegetation	_____		_____	_____		_____

9. From what you have seen and heard, how widely is each practice below *already* used in your district? Tick one box for each practice that applies to your property.

	Zero or minimal use	Limited use	Moderate use	Wide use
Reduced or minimum tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish high water-use plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control pest animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control environmental weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remove grazing pressure from native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Link patches of native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

10. How widely do you expect each practice will *eventually* be used in your district? Tick one box for each practice.

	Zero or minimal use	Limited use	Moderate use	Wide use
Reduced or minimum tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish high water-use plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control pest animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control environmental weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remove grazing pressure from native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Link patches of native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

11. Sometimes, if a practice is going to work properly on one place, it needs also to be used by other landholders in the same district. In your view, how much does the effectiveness on your property of each practice below depend on what others in your district are doing? Tick one box for each practice.

	Doesn't depend on others	Possibly depends on others	Certainly depends on others
Reduced or minimum tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish high water-use plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control pest animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control environmental weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remove grazing pressure from native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Link patches of native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. This question is concerned only with those practices for which you marked ‘Possibly/Certainly depends on others’. For each of these practices, how likely is it that other landholders in your district will use the practice sufficiently for it to work properly on your place? Tick one box for each of these practices.

	Highly unlikely	Unlikely	Neither likely or unlikely	Likely	Highly likely
Reduced or minimum tillage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continuous cropping	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Establish high water-use plants	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control pest animals	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Control environmental weeds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Remove grazing pressure from native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Link patches of native vegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Now we’d appreciate your views on the current way of delivering funds to farmers for on-ground action in natural resource management (NRM). If you feel unable to respond to any item, please leave it blank.

13. Governments are concerned that their publicity about changes in NRM funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following. Tick one box for each item.

	Yes, I’ve heard about it	Possibly I heard about it	No, I haven’t heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the Mallee Catchment Management Authority (CMA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The board of the Mallee CMA consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Mallee Lands Committee (<i>also known as Mallee Lands Implementation Committee</i>) advises the CMA on NRM issues arising in dryland areas of the Mallee Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Mallee Lands Committee consists mostly of community representatives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

14. In the last few years, how much have you or others on your property had personal contact with the Mallee Catchment Management Authority (CMA) and the Mallee Lands Implementation Committee? Tick one box for each body.

	Frequent personal contact	Fairly frequent personal contact	Occasional personal contact	No personal contact
Mallee Catchment Management Authority	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mallee Lands Committee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

15. How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management (NRM)? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The regional approach has reduced the 'red tape' for landholders seeking NRM funds for on-ground activities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way for governments to 'pass the buck' on difficult issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Federal Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Victorian Government is serious about empowering our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is part of a strategy to increase government regulation of rural land-use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is an improvement on previous approaches	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional approach is a way to transfer NRM costs onto volunteers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

16. How strongly do you agree or disagree with each of the following statements about the Mallee Catchment Management Authority? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
Mallee CMA is less bureaucratic than government generally	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mallee CMA understands the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Community members on the Mallee CMA can be trusted to argue forcefully for the best interests of the Mallee Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mallee CMA is just a 'rubber stamp' for decisions made by the Federal Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mallee CMA is just a 'rubber stamp' for decisions made by the Victorian Government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Staff of the Mallee CMA care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Mallee CMA is serious about helping our community to solve our own NRM problems	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NRM at the scale of the Mallee Region is so remote that it discourages us from getting involved	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

17. We are also interested in *local* groups concerned with sustainable farming / grazing / irrigation issues, or with natural resource or environmental issues, on or near your property. Please list the names of any such groups that your property has been involved with over the last few years.

18. Circle the *one* local group above that your property has been most involved with over the last few years.

19. Please indicate your property's level of involvement with *this* local group over the last few years. Tick one box.

Active involvement Fairly active involvement Occasional involvement

20. How strongly do you agree or disagree with each of the following statements about *this* local group? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
The Mallee CMA understands the issues faced by this group	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The work of the Mallee CMA has helped make this group more effective	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

21. Does this group have paid staff to support it? Tick one box.

Yes No ➔ Proceed to Question 23 Unsure ➔ Proceed to Question 23

22. How strongly do you agree or disagree with each of the following statements? Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
Paid staff supporting this group have the experience and skills needed to do a good job	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff understand the issues faced in our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff care about our community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
These staff are too busy to give this group the support it really needs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Finally, we need some details about you. This will help us ensure that our findings represent the views of all landholders. Remember: All the information you provide is completely confidential.

23. Are you Female or Male ?

24. In which year were you born?

25. How long have you lived in the district where your property is located?

_____ years

26. How likely will your property be passed on to the next generation?

Very likely

Likely

Unlikely

Very unlikely

Unsure

27. As an adult (since turning 18), how many years practical experience do you have in owning, managing or working on an agricultural or grazing property?

_____ years

28. What is the highest level of formal education you completed? Tick one.

Primary school

Part of secondary school

All of secondary school

Trade or technical certificate

Diploma or associate diploma

Degree

Other. Please describe.

Other: _____

29. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below. If a goal important for your property is not listed, please add it and indicate its priority. Tick one box for each goal.

Goal: To maintain or enhance ...	Very low priority	Low priority	Moderate priority	High priority	Very high priority
Our way of life	<input type="checkbox"/>				
Our family's income	<input type="checkbox"/>				
Profitability of our farm business	<input type="checkbox"/>				
Productivity of our land and other resources	<input type="checkbox"/>				
Our technical skills and innovation	<input type="checkbox"/>				
Our standing in the community	<input type="checkbox"/>				
Attractiveness of our property	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				
Other. Please describe: _____	<input type="checkbox"/>				

30. Approximately, what is your current level of equity in your property? (In other words, if you sold your farm and stock today, and got a fair market price, about what percentage of the total sales price would you keep after all debts were paid?)

More than 90% (debt free or almost so)	70% – 89%	50% – 69%	Less than 50%
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

31. In the last few years, about what proportion of your household's total net income came from farming activities on your property? Tick one.

More than 90%	70% - 89%	50% - 69%	20% - 49%	Less than 20%
<input type="checkbox"/>				

32. How profitable has your property been over the last few years? Tick one.

Very profitable	Profitable	Breaking even	Unprofitable	Very unprofitable
<input type="checkbox"/>				

33. **How strongly do you agree or disagree with each of the following statements?** Tick one box for each statement.

	Strongly Agree	Agree	Disagree	Strongly Disagree
I feel a bond with our property	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with our district	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with dryland areas of the Mallee Region of Victoria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I feel a bond with the whole Mallee Region of Victoria	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I have little control over the things that happen to me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
There is little I can do to change many of the important things in my life	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
What happens to me in the future mostly depends on me	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
I can do just about anything I really set my mind to do	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional comments: If you feel there is something we have overlooked, or you wish to add further comments, please use this space or attach further pages.

This is the end of the survey form. In case any pages have stuck together, please check that you have answered all questions which apply to you. Then please return this form in the reply-paid envelope.

Thank you for participating in this important survey

[1st follow-up letter for Mallee Region dryland case]

Dear Landholder,

About six weeks ago, I sent you a survey form as part of a study of how natural resource management policies and programs could be changed to better serve the needs of farmers in dryland parts of the Mallee Region of Victoria as defined for natural resource management purposes. (This is the region served by the Mallee Catchment Management Authority, with boundaries shown overleaf.) To date, I do not seem to have received a completed survey form from you. It is possible that your completed form is still on its way here in the post. If so, please take this as my thanks for your assistance, and disregard the rest of the letter.

I realise that this is a busy time of year for many farmers. If you have not been able to complete the survey as yet, we hope that you can find time in the next couple of weeks. Your response is vitally important to ensure that the survey findings accurately reflect the range of views of farmers in the Mallee Region of Victoria about natural resource management programs and policies. Enclosed for your convenience is a copy of the survey form together with a replied paid envelope. I assure you that your response will remain *totally confidential*.

If there is anything regarding the survey you would like to talk to me about, please do not hesitate to call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall
Project Director

[One-page follow-up questionnaire for the Mallee Region dryland case]

Dear Farmer or Grazier,

Some weeks ago I sent you a survey for a study of how natural resource management programs could be changed to better serve the needs of farmers and graziers in the Mallee natural resource management (NRM) region of Victoria. *If you have already returned the survey, please ignore this letter and take this as our thanks for your help.*

The Institute for Rural Futures (at the University of New England, Armidale NSW) is leading this study. We are an independent research group with a long history of bringing the views of farmers and graziers to the attention of government. The Mallee Catchment Management Authority (CMA) is a partner in the study.

We have had a good response to the survey, which has provided invaluable information on the needs and views of primary producers in your region concerning natural resource management. To make sure the study helps primary producers in your region as much as possible, we need at least a small amount of information from producers like yourself.

We appreciate it can be hard to find the time to answer the many surveys that producers receive. However, if you have a minute to answer the few questions below, this will help to ensure our findings are representative of all farmers and graziers in your region. A reply-paid envelope is enclosed for your convenience. *Your participation is entirely voluntary, and your answers will remain totally confidential.* If there is anything about the survey you would like to talk about, please call me on (02) 6773 3250.

Yours sincerely,



Graham Marshall – Project Director, Institute for Rural Futures, University of New England, Armidale 2351

1. Did you, or your immediate family, obtain income over the last few years from farming land in the Mallee NRM region?

NO ⇒ Please return this form in the reply-paid envelope provided YES ⇒ Please go to the next question

2. What is the total area of land owned or managed by you or your immediate family in the Mallee NRM region?

_____ hectares or _____ acres

3. In approximate terms, please indicate the percentages of your property's total net income (revenue minus expenses) from farming over the last few years that came from each of the enterprise types below.

	% contribution		% contribution
Broadacre cropping	_____	Horticulture / viticulture	_____
Grazing	_____	Other. Please describe: _____	_____

4. Governments are concerned that their publicity about changes in natural resource management (NRM) funding arrangements is not reaching landholders. Please indicate whether or not you have heard about the following:

	Yes, I've heard about it	Possibly I heard about it	No, I haven't heard about it
Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The regional body for the region where your property is located is the Mallee Catchment Management Authority (CMA)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The Mallee Lands Committee (also known as Mallee Lands Implementation Committee) advises the CMA on NRM issues arising in dryland areas of the Mallee Region	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5. People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.

Goal: To maintain or enhance ...	Very low Priority	Low priority	Moderate priority	High priority	Very high priority
Profitability of our farm business	<input type="checkbox"/>				
Condition of our natural resources and environment	<input type="checkbox"/>				

**APPENDIX B: BRANCHES OF THE VICTORIAN FARMERS
FEDERATION INCLUDED IN THE SAMPLING FRAME
FOR THE MALLEE REGION DRYLAND CASE**

Berriwillock
Beulah
Birchip
Hopetoun
Manangatang
Millewa
Murrayville
Nandaly
Nullawil
Ouyen
Patchewollock
Piangil
Rainbow
Sea Lake
Tempy
Ultima
Underbool
Woomelang / Lascelles

APPENDIX C: INSTRUCTIONS PROVIDED TO THE MAILHOUSE AY DIRECT PTY LTD FOR RANDOM SAMPLING AND ADMINISTRATION OF THE SURVEY MAIL-OUT FOR THE MALLEE REGION DRYLAND CASE

INFORMATION SHEET FOR MALLEE REGION

University of New England Survey about the Regional Approach to Natural Resource Management

1 The Survey Process

The survey involves two stages: (a) pilot survey, and (b) main survey.

The *pilot* survey for the Mallee Region involves a single mail-out to 40 landholders of envelopes containing a questionnaire, a reply-paid envelope and a covering letter.

The *main* survey involves three mail-outs to all landholders in your population list who are not included in the pilot survey:

- (i) A 1st mail-out of envelopes containing a questionnaire, a reply-paid envelope and a covering letter.
- (ii) A 2nd mail-out of envelopes containing a reminder letter, another copy of the questionnaire and another reply-paid envelope.
- (iii) A 3rd mail-out of envelopes containing a reply-paid envelope and a single page with some explanatory text and a few demographic questions from the full questionnaire.

2 Drawing the Samples for the Pilot Survey and Main Survey

I have already discussed with you the ‘population list’ of landholders to be used for the survey. The mail-out for the pilot survey will go to 40 landholders randomly sampled from this list.

The random sample for the pilot survey can be drawn by taking members at regular intervals through this population list. There are 862 landholders on the population list, and we want to randomly sample 40 of them. So we divide 862 by 40, which gives 22 after rounding. The pilot survey sample will then be made up of landholder number 22, landholder number 44, landholder number 66 and so on up to member 880.

If the population list is on Microsoft Excel, it is easy to draw such a sample. The following instructions continue with the example above, i.e. a sample of 40 members from a population list of 862 landholders. The instructions presume that the data for the first landholder in the list is presented in row 1 of the spreadsheet. If this is not the case, or if the population list is not on Microsoft Excel, please contact me on (02) 6773 3250 or gmarshal@une.edu.au

- 1 Save a 'working copy' of the spreadsheet file so that you are free to manipulate it for this survey (eg, save it as Mallee_survey_list.xls)
- 2 Insert two new columns (becoming columns A and B) on the left of the spreadsheet.
- 3 Fill column A with numbers from 1 at the top (for the first landholder in the list) to 862 at the bottom (for the last landholder).
- 4 In cell B1, paste in the following formula:

=IF(A1/22-INT(A1/22)=0,0,1)

The figure '22' in this formula is the number we got above when we divided the total number of members (862) by the number required in the sample (40) and dropped off the decimal part of the answer, giving 22.

- 5 Copy this formula all the way down to the last member. You will see mostly '1's in column B, with '0's interspersed at regular intervals.
- 6 Highlight the B column and select 'Copy' from the 'Edit' menu. Then, leaving column B still highlighted, select 'Paste Special...' from the 'Edit' menu and select 'Values'. This replaces the formula with the actual values it calculated.
- 7 Sort the database by column B. (In Microsoft Excel, the 'Sort' tool is found in the 'Data' drop-down menu. Prior to sorting, be sure to have already highlighted all rows and columns of the database.) This sort will bring 40 landholders with a '0' to the top. These landholders comprise the sample to which the mail-out for the pilot survey will be sent.
- 8 Delete column B as it is no longer required.
- 9 Delete all the numbers in column A since these will now be replaced.
- 10 Fill column A with code numbers from 1001 for the first landholder to 1862 for the last landholder. (I am also running surveys in two regions other than yours and need to distinguish the code numbers used for the 3 surveys. The code numbers in the other 2 regions will therefore begin with 2001 and 3001, respectively.) The landholders in the pilot survey sample are those numbered 1001 to 1040. The landholders to be included in the 1st mail-out for the main survey are those numbered 1041 to 1862.
- 11 Please save this file, and do not delete it until all mail-outs are completed (i.e., once the main survey's 3rd mail-out has occurred).

If you require help with any of these steps, please phone me on (02) 6773 3250. If you are using software other than Microsoft Excel, or would prefer to take the random sample for the pilot survey in some other way, I'd be pleased to discuss options with you. Regardless of how this random sample is selected, however, it will be necessary to sort the population list afterwards so that the 40 landholders selected are brought to the top and code-numbered 1001 to 1040.

3 Matching Numbers

The questionnaires in the envelopes that I send you have a number that matches the number that I've stamped in the middle of the front of the envelope. When the questionnaires are returned to me, I check this off my list of numbers so I know which numbers correspond to the people who should receive a reminder. The same procedure is used to work out who should receive the third mail out. For this system to work, it is essential that addresses be uniquely matched to numbers. In other words, the landholder code-numbered 1041 for the main survey's first mail-out has to remain number 1041 for the 2nd and 3rd mail -outs as well (assuming they doesn't respond to the survey). Similarly, the landholder code-numbered 1042 for the main survey's first mail-out has to remain number 1042 for the other mail-outs, and so on.

For this reason, it is safest if you run off all three sets of mail labels needed at the one go, so that the sample won't be affected if the population list of landholders changes in the periods between the mail-outs.

The first set of labels should include *all* landholders (i.e., code-numbered from 1001 to 1862). The labels for landholders numbered 1001 to 1040 will be used for the pilot survey. The labels for landholders numbered 1041 to 1862 will be used for the main survey's 1st mail-out.

The second and third sets of labels should include only the landholders to which the main survey's 1st mail-out will be sent (i.e., landholders numbered 1041 to 1862).

It will also help if the labels printed for each landholder include the code number assigned to him or her. Then labelling the envelopes is just a matter of matching the label number to the number on the front of the envelope. Most database and mailing management software allows you to put a number somewhere on the label. Preferably locate the code number at the top of the label, so it doesn't look like a postcode. The number's font size can be smaller (say 8 point) than that used for the remainder of the label.

The numbers on the envelopes sent to you will be consecutive for the pilot survey and the main survey's 1st mail-out. However, there will be gaps in the numbers on the envelopes sent to you for the main survey's 2nd and 3rd mail-outs, since you will not be sent envelopes for landholders who have already returned questionnaires.

4 Labelling Envelopes

The labels should cover the number stamped by me the envelope to avoid Australia Post sorting equipment confusing this number for the postcode.

5 If Problems Arise

I am very grateful for your assistance in this survey and want to ensure that it causes as little disruption as possible to your office routines. While we have made every effort to make the system as simple as possible while still meeting our research objectives, it is possible that there are ways of doing the mail-outs that would suit your office better than the system described above. We would be happy for you to use whatever system suits your office the best, just so long as it doesn't result in a biased sample, or result in people who already returned their questionnaires being bothered with unnecessary reminders.

Please give me a call if any problems occur, or if there is something you are not sure about.

Graham Marshall

Tel: 02 6773 3250

Fax: 02 6773 3245

Email: gmarshall@une.edu.au

APPENDIX D: STATISTICAL TEST RESULTS REFERRED TO IN CHAPTER 3 OF VOL. 1 FOR THE BLACKWOOD BASIN CASE

Table D.1: Blackwood Basin responses to: *People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.* Probabilities of population differences between goal distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Profitability	Family's income	Productivity	Resource condition	Attractiveness	Way of life	Skills	Community standing
Profitability	na	0.005	0.345	0.000	0.000	0.003	0.000	0.000
Family's income	0.005	na	0.007	0.005	0.000	0.073	0.000	0.000
Productivity	0.345	0.007	na	0.000	0.000	0.000	0.000	0.000
Resource condition	0.000	0.005	0.000	na	0.000	0.404	0.000	0.000
Attractiveness	0.000	0.000	0.000	0.000	na	0.000	0.348	0.000
Way of life	0.003	0.073	0.000	0.404	0.000	na	0.000	0.000
Skills	0.000	0.000	0.000	0.000	0.348	0.000	na	0.000
Community standing	0.000	0.000	0.000	0.000	0.000	0.000	0.000	na

Table D.2: Blackwood Basin responses to: *How much does each issue below pose a threat to the future of your farm business?* Probabilities of population differences between issue distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Government regulation	Commodity prices	Drought	Dryland salinity	Soil erosion	Waterlogging	Soil structure decline	Loss of native vegetation	Water quality decline	Loss & fragmentation of habitat	Soil acidity / acid sulphate soils
Government regulation	na	0.000	0.328	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Commodity prices	0.000	na	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Drought	0.328	0.000	na	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Dryland salinity	0.000	0.000	0.000	na	0.000	0.021	0.053	0.000	0.786	0.000	0.004
Soil erosion	0.000	0.000	0.000	0.000	na	0.064	0.033	0.003	0.000	0.002	0.000
Waterlogging	0.000	0.000	0.000	0.021	0.064	na	0.924	0.000	0.027	0.000	0.000
Soil structure decline	0.000	0.000	0.000	0.053	0.033	0.924	na	0.000	0.018	0.000	0.000
Loss of native vegetation	0.000	0.000	0.000	0.000	0.003	0.000	0.000	na	0.000	0.562	0.000
Water quality decline	0.000	0.000	0.000	0.786	0.000	0.027	0.018	0.000	na	0.000	0.004
Loss & fragmentation of habitat	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.562	0.000	na	0.000
Soil acidity / acid sulphate soils	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.004	0.000	na

Table D.3: Blackwood Basin responses to: *How strongly do you agree or disagree with each of the following statements (about attachment to place)*. Probabilities of population differences between distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Feels bond with property	Feels bond with district	Feels bond with Blackwood Basin	Feels bond with SW Catchments Region
Feels bond with property	na	0.000	0.000	0.000
Feels bond with district	0.000	na	0.000	0.000
Feels bond with Blackwood Basin	0.000	0.000	na	0.000
Feels bond with SW Catchments Region	0.000	0.000	0.000	na

Table D.4: Blackwood Basin respondents indicating specified practices were applicable and not applicable to their properties. Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Surface water management	Groundwater management	Establish perennial vegetation	Establish perennial pastures	Revegetation and protective fencing	Soil remediation	Zero / minimum tillage cropping	Pest and weed control
Surface water management	na	0.000	0.655	0.157	0.248	0.189	0.000	0.000
Groundwater management	0.000	na	0.000	0.000	0.000	0.000	0.001	0.000
Establish perennial vegetation	0.655	0.000	na	0.011	0.028	0.024	0.000	0.000
Establish perennial pastures	0.157	0.000	0.011	na	0.423	0.873	0.000	0.000
Revegetation and protective fencing	0.248	0.000	0.028	0.423	na	0.527	0.000	0.000
Soil remediation	0.189	0.000	0.024	0.873	0.527	na	0.000	0.000
Zero or minimum tillage cropping	0.000	0.001	0.000	0.000	0.000	0.000	na	0.000
Pest and weed control	0.000	0.000	0.000	0.000	0.000	0.000	0.000	na

Table D.5: Applicable Blackwood Basin responses to: *How strongly would use of each practice below help or hurt your property's chances of achieving its main goals?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Surface water management	Groundwater management	Establish perennial vegetation	Establish perennial pastures	Revegetation and protective fencing	Soil remediation	Zero / min tillage cropping	Pest and weed control
Surface water management	na	0.000	0.000	0.073	0.000	0.470	0.873	0.253
Groundwater management	0.000	na	0.567	0.001	0.524	0.000	0.000	0.000
Establish perennial vegetation	0.000	0.567	na	0.000	0.013	0.000	0.000	0.000
Establish perennial pastures	0.073	0.001	0.000	na	0.000	0.004	0.327	0.004
Revegetation and protective fencing	0.000	0.524	0.013	0.000	na	0.000	0.000	0.000
Soil remediation	0.470	0.000	0.000	0.004	0.000	na	0.150	0.839
Zero or minimum tillage cropping	0.873	0.000	0.000	0.327	0.000	0.150	na	0.062
Pest and weed control	0.253	0.000	0.000	0.004	0.000	0.839	0.062	na

Table D.6: Applicable Blackwood Basin responses to: *From what you have seen and heard, how widely is each practice below already used in your district?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Surface water management	Groundwater management	Establish perennial vegetation	Establish perennial pastures	Revegetation and protective fencing	Soil remediation	Zero / min tillage cropping	Pest and weed control
Surface water management	na	0.000	0.000	0.000	0.009	0.000	0.000	0.000
Groundwater management	0.000	na	0.000	0.000	0.000	0.000	0.000	0.000
Establish perennial vegetation	0.000	0.000	na	0.838	0.000	0.002	0.000	0.000
Establish perennial pastures	0.000	0.000	0.838	na	0.000	0.020	0.000	0.000
Revegetation and protective fencing	0.009	0.000	0.000	0.000	na	0.008	0.000	0.000
Soil remediation	0.000	0.000	0.002	0.020	0.008	na	0.000	0.000
Zero or minimum tillage cropping	0.000	0.000	0.000	0.000	0.000	0.000	na	0.003
Pest and weed control	0.000	0.000	0.000	0.000	0.000	0.000	0.003	na

Table D.7: Blackwood Basin responses to: *Please indicate whether you have heard about the following (statements regarding the regional approach to natural resource management).* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Responsibility for deciding on-ground funding lies with regional bodies	SWCC is the regional body	SWCC board has mostly community representatives	BBG is the subregional body	BBG committee has mostly community representatives	BBG advises SWCC on subregional funding decisions
Responsibility for deciding on-ground funding lies with regional bodies	na	0.183	0.000	0.000	0.000	0.509
SWCC is the regional body	0.183	na	0.000	0.000	0.000	0.092
SWCC board has mostly community representatives	0.000	0.000	na	0.000	0.000	0.002
BBG is the subregional body	0.000	0.000	0.000	na	0.000	0.000
BBG committee has mostly community representatives	0.000	0.000	0.000	0.000	na	0.000
BBG advises SWCC on subregional funding decisions	0.509	0.092	0.002	0.000	0.000	na

Table D.8: Blackwood Basin responses to: *How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Regional approach an improvement	Regional approach reduced 'red tape'	Federal Gov't serious about empowering community	WA Gov't serious about empowering community	Regional approach allows gov't to 'pass the buck'	Regional approach a way to increase regulation	Regional approach a way to transfer costs
Regional approach an improvement	na	0.000	0.029	0.000	0.003	0.002	0.012
Regional approach reduced 'red tape'	0.000	na	0.232	0.045	0.000	0.000	0.000
Federal Gov't serious about empowering community	0.029	0.232	na	0.000	0.000	0.000	0.000
WA Gov't serious about empowering community	0.000	0.045	0.000	na	0.000	0.000	0.000
Regional approach allows gov't to 'pass the buck'	0.003	0.000	0.000	0.000	na	0.915	0.303
Regional approach a way to increase regulation	0.002	0.000	0.000	0.000	0.915	na	0.316
Regional approach a way to transfer costs	0.012	0.000	0.000	0.000	0.303	0.316	na

Table D.9: Blackwood Basin responses to: *How strongly do you agree or disagree with each of the following statements about the South West Catchments Council?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	SWCC less bureaucratic than gov't	SWCC understands district issues	SWCC community members can be trusted	SWCC staff care about community	SWCC serious to help comm'ty solve its problems	SWCC a 'rubber stamp' for Fed. Gov't	SWCC a 'rubber stamp' for WA Gov't	SW Catchments Region too remote
SWCC less bureaucratic than gov't	na	0.280	0.132	0.000	0.001	0.993	0.282	0.024
SWCC understands district issues	0.280	na	0.399	0.000	0.008	0.739	0.534	0.099
SWCC community members can be trusted	0.132	0.399	na	0.001	0.026	0.255	0.820	0.369
SWCC staff care about community	0.000	0.000	0.001	na	0.119	0.001	0.021	0.255
SWCC serious about helping community	0.001	0.008	0.026	0.119	na	0.022	0.157	0.948
SWCC a 'rubber stamp' for Federal Gov't	0.993	0.739	0.255	0.001	0.022	na	0.013	0.004
SWCC a 'rubber stamp' for WA Gov't	0.282	0.534	0.820	0.021	0.157	0.013	na	0.049
SW Catchments Region too remote	0.024	0.099	0.369	0.255	0.948	0.004	0.049	na

Table D.10: Blackwood Basin responses to: *How strongly do you agree or disagree with each of the following statements about the Blackwood Basin Group?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	BBG less bureaucratic than gov't	BBG understands district issues	BBG community members can be trusted	BBG staff care	BBG serious about helping our community	BBG a 'rubber stamp' for Federal Gov't	BBG a 'rubber stamp' for WA Gov't	BBG a 'rubber stamp' for SWCC	Blackwood Basin subregion too remote
BBG less bureaucratic than gov't	na	0.271	0.697	0.001	0.424	0.000	0.000	0.000	0.000
BBG understands district issues	0.271	na	0.560	0.022	0.932	0.000	0.000	0.000	0.000
BBG community members can be trusted	0.697	0.560	na	0.022	0.766	0.000	0.000	0.000	0.000
BBG staff care	0.001	0.022	0.022	na	0.002	0.000	0.000	0.000	0.000
BBG serious about helping our community	0.424	0.932	0.766	0.002	na	0.000	0.000	0.000	0.000
BBG a 'rubber stamp' for Federal Gov't	0.000	0.000	0.000	0.000	0.000	na	0.267	0.004	0.000
BBG a 'rubber stamp' for WA Gov't	0.000	0.000	0.000	0.000	0.000	0.267	na	0.030	0.001
BBG a 'rubber stamp' for SWCC	0.000	0.000	0.000	0.000	0.000	0.004	0.030	na	0.162
Blackwood Basin subregion too remote	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.162	na

APPENDIX E: STATISTICAL TEST RESULTS REFERRED TO IN CHAPTER 4 OF VOL. 1 FOR THE CENTRAL HIGHLANDS CASE

Table E.1: Central Highlands responses to: *People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.* Probabilities of population differences between goal distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Profitability	Family's income	Productivity	Resource condition	Attractiveness	Way of life	Skills	Community standing
Profitability	na	0.000	0.263	0.026	0.000	0.001	0.000	0.000
Family's income	0.000	na	0.000	0.331	0.000	0.057	0.000	0.000
Productivity	0.263	0.000	na	0.012	0.000	0.000	0.000	0.000
Resource condition	0.026	0.331	0.012	na	0.000	0.002	0.000	0.000
Attractiveness	0.000	0.000	0.000	0.000	na	0.000	0.019	0.000
Way of life	0.001	0.057	0.000	0.002	0.000	na	0.010	0.000
Skills	0.000	0.000	0.000	0.000	0.019	0.010	na	0.000
Community standing	0.000	0.000	0.000	0.000	0.000	0.000	0.000	na

Table E.2: Central Highlands responses to: *How much does each issue below pose a threat to the future of your farm business?* Probabilities of population differences between issue distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Government regulation	Commodity prices	Drought	Pest and plants	Soil erosion	Loss of soil fertility and structure	Overclearing and biodiversity loss	Declining water quality and quantity	Salinity
Government regulation	na	0.201	0.044	0.000	0.000	0.000	0.000	0.000	0.000
Commodity prices	0.201	na	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Drought	0.044	0.000	na	0.000	0.000	0.000	0.000	0.000	0.000
Pest and plants	0.000	0.000	0.000	na	0.000	0.000	0.000	0.001	0.000
Soil erosion	0.000	0.000	0.000	0.000	na	0.417	0.000	0.697	0.000
Loss of soil fertility and structure	0.000	0.000	0.000	0.000	0.417	na	0.000	0.985	0.000
Overclearing and biodiversity loss	0.000	0.000	0.000	0.000	0.000	0.000	na	0.000	0.376
Declining water quality and quantity	0.000	0.000	0.000	0.001	0.697	0.985	0.000	na	0.000
Salinity	0.000	0.000	0.000	0.000	0.000	0.000	0.376	0.000	na

Table E.3: Central Highlands responses to: *How strongly do you agree or disagree with each of the following statements (regarding attachment to place). Probabilities of population differences between distributions, using Wilcoxon Signed Ranks Test (2-tailed)*

	Feels bond with property	Feels bond with district	Feels bond with Central Highlands	Feels bond with Fitzroy Basin Region
Bond with property	na	0.000	0.000	0.000
Bond with district	0.000	na	0.000	0.000
Bond with Central Highlands	0.000	0.000	na	0.000
Bond with Fitzroy Basin Region	0.000	0.000	0.000	na

Table E.4: Central Highlands respondents indicating specified practices were applicable and not applicable to their properties. Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Maintain groundcover	Fencing to land type	Min/zero tillage cropping	Soil conservation measures	Irrigation efficiency measures	Property management planning	Fencing riparian areas	Environmental weeds control
Maintain groundcover	na	0.070	0.000	0.000	0.000	0.000	0.003	0.238
Fencing to land type	0.070	na	0.000	0.029	0.000	0.000	0.152	0.015
Min/zero tillage cropping	0.000	0.000	na	0.000	0.000	0.052	0.000	0.000
Soil conservation measures	0.000	0.029	0.000	na	0.000	0.302	0.312	0.000
Irrigation efficiency measures	0.000	0.000	0.000	0.000	na	0.000	0.000	0.000
Property management planning	0.000	0.000	0.052	0.302	0.000	na	0.016	0.000
Fencing riparian areas	0.003	0.152	0.000	0.312	0.000	0.016	na	0.000
Environmental weeds control	0.238	0.015	0.000	0.000	0.000	0.000	0.000	na

Table E.5: Applicable Central Highlands responses to: *How strongly would use of each practice below help or hurt your property's chances of achieving its main goals?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Maintain groundcover	Fencing to land type	Minimum or zero tillage cropping	Soil conservation measures	Irrigation efficiency measures	Property management planning	Fencing riparian areas	Environmental weeds control
Maintain groundcover	na	0.000	0.131	0.000	0.022	0.000	0.000	0.000
Fencing to land type	0.000	na	0.050	0.088	0.999	0.000	0.000	0.604
Minimum or zero tillage cropping	0.131	0.050	na	0.704	0.172	0.000	0.001	0.064
Soil conservation measures	0.000	0.088	0.704	na	0.688	0.000	0.000	0.064
Irrigation efficiency measures	0.022	0.999	0.172	0.688	na	0.009	0.590	0.017
Property management planning	0.000	0.000	0.000	0.000	0.009	na	0.134	0.000
Fencing riparian areas	0.000	0.000	0.001	0.000	0.590	0.134	na	0.004
Environmental weeds control	0.000	0.604	0.064	0.064	0.017	0.000	0.004	na

Table E.6: Applicable Central Highlands responses to: *From what you have seen and heard, how widely is each practice below already used in your district?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Maintain groundcover	Fencing to land type	Minimum or zero tillage cropping	Soil conservation measures	Irrigation efficiency measures	Property management planning	Fencing riparian areas	Environmental weeds control
Maintain groundcover	na	0.000	0.000	0.000	0.034	0.000	0.000	0.401
Fencing to land type	0.000	na	0.000	0.000	0.990	0.380	0.007	0.000
Minimum or zero tillage cropping	0.000	0.000	na	0.922	0.000	0.000	0.000	0.000
Soil conservation measures	0.000	0.000	0.922	na	0.000	0.000	0.000	0.000
Irrigation efficiency measures	0.034	0.990	0.000	0.000	na	0.649	0.076	0.201
Property management planning	0.000	0.380	0.000	0.000	0.649	na	0.002	0.001
Fencing riparian areas	0.000	0.007	0.000	0.000	0.076	0.002	na	0.000
Environmental weeds control	0.401	0.000	0.000	0.000	0.201	0.001	0.000	na

Table E.7: Central Highlands responses to: *Please indicate whether you have heard about the following (statements regarding the regional approach to natural resource management)*. Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Responsibility for deciding on-ground funding lies with regional bodies	FBA is the regional body	FBA board has mostly community representatives	CHRRUP is the subregional body	CHRRUP board has mostly community representatives	CHRRUP advises FBA on subregional funding decisions
Responsibility for deciding on-ground funding lies with regional bodies	na	0.000	0.012	0.000	0.009	0.001
FBA is the regional body	0.000	na	0.000	0.302	0.000	0.000
FBA board has mostly community representatives	0.012	0.000	na	0.000	0.478	0.395
CHRRUP is the subregional body	0.000	0.302	0.000	na	0.000	0.000
CHRRUP board has mostly community representatives	0.009	0.000	0.478	0.000	na	0.851
CHRRUP advises FBA on subregional funding decisions	0.001	0.000	0.395	0.000	0.851	na

Table E.8: Central Highlands responses to: *How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Regional approach an improvement	Regional approach reduced 'red tape'	Federal Gov't serious about empowering community	Q'land Gov't serious about empowering community	Regional approach allows gov't to 'pass the buck'	Regional approach a way to increase regulation	Regional approach a way to transfer costs
Regional approach an improvement	na	0.012	0.000	0.000	0.286	0.075	0.560
Regional approach reduced 'red tape'	0.012	na	0.468	0.000	0.003	0.000	0.023
Federal Gov't serious about empowering community	0.000	0.468	na	0.000	0.000	0.000	0.000
Q'land Gov't serious about empowering community	0.000	0.000	0.000	na	0.000	0.000	0.000
Regional approach allows gov't to 'pass the buck'	0.286	0.003	0.000	0.000	na	0.244	0.166
Regional approach a way to increase regulation	0.075	0.000	0.000	0.000	0.244	na	0.003
Regional approach a way to transfer costs	0.560	0.023	0.000	0.000	0.166	0.003	na

Table E.9: Central Highlands responses to: *How strongly do you agree or disagree with each of the following statements about the Fitzroy Basin Association?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	FBA less bureaucratic than gov't	FBA understands district issues	FBA community members can be trusted	FBA staff care about community	FBA serious to help comm'ty solve its problems	FBA a 'rubber stamp' for Fed. Gov't	FBA a 'rubber stamp' for Q'land Gov't	Fitzroy Basin Region too remote
FBA less bureaucratic than gov't	na	0.845	0.199	0.216	0.230	0.006	0.063	0.026
FBA understands district issues	0.845	na	0.052	0.346	0.297	0.004	0.042	0.030
FBA community members can be trusted	0.199	0.052	na	0.026	0.007	0.048	0.222	0.205
FBA staff care about community	0.216	0.346	0.026	na	0.782	0.000	0.010	0.001
FBA serious about helping community	0.230	0.297	0.007	0.782	na	0.001	0.006	0.003
FBA a 'rubber stamp' for Federal Gov't	0.006	0.004	0.048	0.000	0.001	na	0.033	0.842
FBA a 'rubber stamp' for Q'land Gov't	0.063	0.042	0.222	0.010	0.006	0.033	na	0.313
Fitzroy Basin Region too remote	0.026	0.030	0.205	0.001	0.003	0.842	0.313	na

Table E.10: Responses to: Response to: *How strongly do you agree or disagree with each of the following statements about the Central Highlands Resources Use Planning Cooperative?*
 Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	CHRRUP less bureaucratic than gov't	CHRRUP understands district issues	CHRRUP community members can be trusted	CHRRUP staff care	CHRRUP serious about helping our community	CHRRUP a 'rubber stamp' for Federal Gov't	CHRRUP a 'rubber stamp' for Q'land Gov't	CHRRUP a 'rubber stamp' for FBA	Central Highlands subregion too remote
CHRRUP less bureaucratic than gov't	na	0.778	0.141	0.134	0.383	0.000	0.001	0.000	0.000
CHRRUP understands district issues	0.778	na	0.021	0.143	0.180	0.000	0.000	0.000	0.000
CHRRUP community members can be trusted	0.141	0.021	na	0.001	0.000	0.002	0.020	0.011	0.000
CHRRUP staff care	0.134	0.143	0.001	na	0.666	0.000	0.000	0.000	0.000
CHRRUP serious about helping our community	0.383	0.180	0.000	0.666	na	0.000	0.000	0.000	0.000
CHRRUP a 'rubber stamp' for Federal Gov't	0.000	0.000	0.002	0.000	0.000	na	0.057	0.096	0.065
CHRRUP a 'rubber stamp' for Q'land Gov't	0.001	0.000	0.020	0.000	0.000	0.057	na	0.952	0.011
CHRRUP a 'rubber stamp' for FBA	0.000	0.000	0.011	0.000	0.000	0.096	0.952	na	0.012
Central Highlands subregion too remote	0.000	0.000	0.000	0.000	0.000	0.065	0.011	0.012	na

APPENDIX F: STATISTICAL TEST RESULTS REFERRED TO IN CHAPTER 5 OF VOL. 1 FOR THE MALLEE REGION DRYLAND CASE

Table F.1: Mallee responses to: *People have many different goals they are aiming for in farming, depending on their own situation. Please indicate the priority you give to each goal listed below.* Probabilities of population differences between goal distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Profitability	Family's income	Productivity	Resource condition	Attractiveness	Way of life	Skills	Community standing
Profitability	na	0.000	0.080	0.000	0.000	0.000	0.000	0.000
Family's income	0.000	na	0.063	0.000	0.000	0.000	0.000	0.000
Productivity	0.080	0.063	na	0.000	0.000	0.000	0.000	0.000
Resource condition	0.000	0.000	0.000	na	0.018	0.002	0.714	0.000
Attractiveness	0.000	0.000	0.000	0.018	na	0.000	0.051	0.000
Way of life	0.000	0.000	0.000	0.002	0.000	na	0.000	0.000
Skills	0.000	0.000	0.000	0.714	0.051	0.000	na	0.000
Community standing	0.000	0.000	0.000	0.000	0.000	0.000	0.000	na

Table F.2: Mallee responses to: *How much does each issue below pose a threat to the future of your farm business?* Probabilities of population differences between issue distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Government regulation	Commodity prices	Drought	Pest animals	Wind erosion	Soil salinisation	Environmental weeds	Native vegetation loss	Habitat fragmentation
Government regulation	na	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Commodity prices	0.000	na	0.399	0.000	0.000	0.000	0.000	0.000	0.000
Drought	0.000	0.399	na	0.000	0.000	0.000	0.000	0.000	0.000
Pest animals	0.000	0.000	0.000	na	0.000	0.000	0.000	0.000	0.000
Wind erosion	0.000	0.000	0.000	0.000	na	0.000	0.596	0.000	0.000
Soil salinization	0.000	0.000	0.000	0.000	0.000	na	0.000	0.000	0.000
Environmental weeds	0.000	0.000	0.000	0.000	0.596	0.000	na	0.000	0.000
Native vegetation loss	0.000	0.000	0.000	0.000	0.000	0.000	0.000	na	0.001
Habitat fragmentation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	na

Table F.3: Mallee responses to: *How strongly do you agree or disagree with each of the following statements (regarding attachment to place)*. Probabilities of population differences between distributions, using Wilcoxon Signed Ranks Test (2-tailed)

	Feels bond with property	Feels bond with district	Feels bond with Mallee dryland areas	Feels bond with Mallee Region
Feels bond with property	na	0.000	0.000	0.000
Feels bond with district	0.000	na	0.000	0.000
Feels bond with Mallee dryland areas	0.000	0.000	na	0.000
Feels bond with Mallee Region	0.000	0.000	0.000	na

Table F.4: Mallee respondents indicating specified practices were applicable and not applicable to their properties. Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Reduced or minimum tillage	Continuous cropping	Establish high water-use plants	Control pest animals	Control environmental weeds	Remove grazing pressure from native vegetation	Link patches of native vegetation
Reduced or minimum tillage	na	0.000	0.000	0.005	0.023	0.000	0.000
Continuous cropping	0.000	na	0.000	0.057	0.011	0.000	0.000
Establish high water-use plants	0.000	0.000	na	0.000	0.000	0.000	0.028
Control pest animals	0.005	0.057	0.000	na	0.439	0.000	0.000
Control environmental weeds	0.023	0.011	0.000	0.439	na	0.000	0.000
Remove grazing pressure from native vegetation	0.000	0.000	0.000	0.000	0.000	na	0.000
Link patches of native vegetation	0.000	0.000	0.028	0.000	0.000	0.000	na

Table F.5: Response from applicable Mallee respondents to: *How strongly would use of each practice below help or hurt your property's chances of achieving its main goals?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Reduced or minimum tillage	Continuous cropping	Establish high water-use plants	Control pest animals	Control environmental weeds	Remove grazing pressure	Link native vegetation
Reduced or minimum tillage	na	0.000	0.000	0.000	0.000	0.000	0.000
Continuous cropping	0.000	na	0.260	0.000	0.000	0.878	0.012
Establish high water-use plants	0.000	0.260	na	0.000	0.000	0.002	0.000
Control pest animals	0.000	0.000	0.000	na	0.003	0.000	0.000
Control environmental weeds	0.000	0.000	0.000	0.003	na	0.000	0.000
Remove grazing pressure	0.000	0.878	0.002	0.000	0.000	na	0.042
Link native vegetation	0.000	0.012	0.000	0.000	0.000	0.042	na

Table F.6: Response from applicable Mallee respondents to: *From what you have seen and heard, how widely is each practice below already used in your district?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Reduced or minimum tillage	Continuous cropping	Establish high water-use plants	Control pest animals	Control environmental weeds	Remove grazing pressure	Link native vegetation
Reduced or minimum tillage	na	0.000	0.000	0.000	0.000	0.000	0.000
Continuous cropping	0.000	na	0.000	0.033	0.037	0.000	0.000
Establish high water-use plants	0.000	0.000	na	0.000	0.000	0.001	0.183
Control pest animals	0.000	0.033	0.000	na	0.757	0.000	0.000
Control environmental weeds	0.000	0.037	0.000	0.757	na	0.000	0.000
Remove grazing pressure	0.000	0.000	0.001	0.000	0.000	na	0.004
Link native vegetation	0.000	0.000	0.183	0.000	0.000	0.004	na

Table F.7: Mallee responses to: *Please indicate whether you have heard about the following (statements regarding the regional approach to natural resource management).* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Responsibility for deciding on-ground funding lies with regional bodies	Mallee CMA is the regional body	Mallee CMA board has mostly community representatives	Mallee Lands Committee advises CMA on dryland issues	Mallee Lands Committee has mostly community representatives
Responsibility for deciding on-ground funding lies with regional bodies	na	0.000	0.000	0.000	0.007
Mallee CMA is the regional body	0.000	na	0.000	0.000	0.000
Mallee CMA board has mostly community representatives	0.000	0.000	na	0.000	0.000
Mallee Lands Committee advises CMA on dryland issues	0.000	0.000	0.000	na	0.098
Mallee Lands Committee has mostly community representatives	0.007	0.000	0.000	0.098	na

Table F.8: Mallee responses to: *How strongly do you agree or disagree with each of the following statements about the regional approach to natural resource management?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Regional approach an improvement	Regional approach reduced 'red tape'	Federal Gov't serious about empowering community	Victorian Gov't serious about empowering community	Regional approach allows gov't to 'pass the buck'	Regional approach a way to increase regulation	Regional approach a way to transfer costs
Regional approach an improvement	na	0.001	0.558	0.000	0.000	0.047	0.000
Regional approach reduced 'red tape'	0.001	na	0.015	0.206	0.000	0.000	0.000
Federal Gov't serious about empowering community	0.558	0.015	na	0.000	0.000	0.009	0.000
Victorian Gov't serious about empowering community	0.000	0.206	0.000	na	0.000	0.000	0.000
Regional approach allows gov't to 'pass the buck'	0.000	0.000	0.000	0.000	na	0.001	0.189
Regional approach a way to increase regulation	0.047	0.000	0.009	0.000	0.001	na	0.000
Regional approach a way to transfer costs	0.000	0.000	0.000	0.000	0.189	0.000	na

Table F.9: Responses to: *How strongly do you agree or disagree with each of the following statements about the Mallee Catchment Management Authority?* Probabilities of population differences between distributions for practices, using Wilcoxon Signed Ranks Test (2-tailed)

	Mallee CMA less bureaucratic than gov't	Mallee CMA understands district issues	Mallee CMA community members can be trusted	Mallee CMA staff care about community	Mallee CMA serious to help comm'ty solve its problems	Mallee CMA a 'rubber stamp' for Fed. Gov't	Mallee CMA a 'rubber stamp' for Vic Gov't	Mallee Region too remote
Mallee CMA less bureaucratic than gov't	na	0.058	0.009	0.000	0.000	0.012	0.515	0.565
Mallee CMA understands district issues	0.058	na	0.304	0.000	0.005	0.001	0.116	0.172
Mallee CMA community members can be trusted	0.009	0.304	na	0.036	0.179	0.000	0.021	0.054
Mallee CMA staff care about community	0.000	0.000	0.036	na	0.297	0.000	0.001	0.001
Mallee CMA serious to help comm'ty solve its problems	0.000	0.005	0.179	0.297	na	0.000	0.006	0.007
Mallee CMA a 'rubber stamp' for Fed. Gov't	0.012	0.001	0.000	0.000	0.000	na	0.000	0.004
Mallee CMA a 'rubber stamp' for Vic Gov't	0.515	0.116	0.021	0.001	0.006	0.000	na	0.913
Mallee Region too remote	0.565	0.172	0.054	0.001	0.007	0.004	0.913	na

APPENDIX G: STATISTICAL TEST RESULTS REFERRED TO IN CHAPTER 6 OF VOL. 1 FOR COMPARISONS OF FINDINGS ACROSS THE THREE CASES

Table G.1: Probabilities of population differences between cases in respect of age of respondents, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.278
Central Highlands	0.000	na	0.000
Mallee dryland	0.278	0.000	na

Table G.2: Responses to: *How long have you lived in the district where your property is located?* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.000
Mallee dryland	0.000	0.000	na

Table G.3: Probabilities of population differences between cases in respect of respondents indicating their property 'likely' or 'very likely' to be passed on to the next generation, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.214	0.002
Central Highlands	0.214	na	0.000
Mallee dryland	0.002	0.000	na

Table G.4: Responses to: *As an adult, how many years practical experience do you have in owning, managing or working on an agricultural or grazing property?* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.211	0.210
Central Highlands	0.211	na	0.024
Mallee dryland	0.210	0.024	na

Table G.5: Probabilities of population differences between cases in respect of respondents identifying their highest level of completed formal education as ‘primary’ or part secondary’, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.001	0.000
Central Highlands	0.001	na	0.065
Mallee dryland	0.000	0.065	na

Table G.6: Responses to: *What is the total area of land owned or managed by you and your immediate family in the (relevant subregion)?* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.000
Mallee dryland	0.000	0.000	na

Table G.7: Probabilities of population differences between cases in respect of respondents identifying the main tenure of their property as ‘freehold’, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.538
Central Highlands	0.000	na	0.000
Mallee dryland	0.538	0.000	na

Table G.8: Probabilities of population differences between cases in respect of respondents identifying their current level of equity in their property as at least 70 per cent, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.001	0.012
Central Highlands	0.001	na	0.241
Mallee dryland	0.012	0.241	na

Table G.9: Probabilities of population differences between cases in respect of respondents identifying their profitability over the last few years as ‘breaking even’ or better, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.056	0.049
Central Highlands	0.056	na	0.811
Mallee dryland	0.049	0.811	na

Table G.10: Probabilities of population differences between cases in respect of respondents reporting at least 70 per cent of their household net income over the last few years coming from farming activities on their property, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.001
Central Highlands	0.000	na	0.196
Mallee dryland	0.001	0.196	na

Table G.11: Probabilities of population differences between cases in respect of respondents’ reported percentages of total net income from their properties coming from grazing enterprises, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.000
Mallee dryland	0.000	0.000	na

Table G.12: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'profitability' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.001	0.000
Central Highlands	0.001	na	0.738
Mallee dryland	0.000	0.738	na

Table G.13: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'family income' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.307	0.055
Central Highlands	0.307	na	0.595
Mallee dryland	0.055	0.595	na

Table G.14: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'productivity' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.003	0.075
Central Highlands	0.003	na	0.124
Mallee dryland	0.075	0.124	na

Table G.15: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'resource condition' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.017
Central Highlands	0.000	na	0.000
Mallee dryland	0.017	0.000	na

Table G.16: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'property attractiveness' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.488	0.851
Central Highlands	0.488	na	0.592
Mallee dryland	0.851	0.592	na

Table G.17: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'way of life' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.691	0.421
Central Highlands	0.691	na	0.276
Mallee dryland	0.421	0.276	na

Table G.18: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'skills and innovation' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.535	0.636
Central Highlands	0.535	na	0.817
Mallee dryland	0.636	0.817	na

Table G.19: Probabilities of population differences between cases in respect of respondents' priority ratings for the 'community standing' goal, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.828	0.001
Central Highlands	0.828	na	0.014
Mallee dryland	0.001	0.014	na

Table G.20: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by 'government regulation', using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.007
Central Highlands	0.000	na	0.000
Mallee dryland	0.007	0.000	na

Table G.21: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by 'commodity prices', using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.004	0.013
Central Highlands	0.004	na	0.000
Mallee dryland	0.013	0.000	na

Table G.22: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by 'drought', using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.061
Mallee dryland	0.000	0.061	na

Table G.23: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by salinity, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.057
Central Highlands	0.000	na	0.000
Mallee dryland	0.057	0.000	na

Table G.24: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by soil erosion, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.605
Mallee dryland	0.000	0.605	na

Table G.25: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by loss of native vegetation, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.075
Central Highlands	0.000	na	0.000
Mallee dryland	0.075	0.000	na

Table G.26: Probabilities of population differences between cases in respect of respondents' ratings of threat posed to the future of their farm businesses by fragmentation of habitat, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.007
Central Highlands	na	na	na
Mallee dryland	0.007	na	na

Table G.27: Response to: *How strongly do you agree or disagree with 'I feel a bond with our property'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.510	0.443
Central Highlands	0.510	na	0.204
Mallee dryland	0.443	0.204	na

Table G.28: Response to: *How strongly do you agree or disagree with 'I feel a bond with our district'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.322	0.157
Central Highlands	0.322	na	0.872
Mallee dryland	0.157	0.872	na

Table G.29: Response to: *How strongly do you agree or disagree with 'I feel a bond with (relevant NRM subregion)'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.513
Mallee dryland	0.000	0.513	na

Table G.30: Response to: *How strongly do you agree or disagree with 'I feel a bond with (relevant NRM region)'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.000
Mallee dryland	0.000	0.000	na

Table G.31: Response to: *How strongly do you agree or disagree with 'What happens to me in the future mostly depends on me'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.657	0.002
Central Highlands	0.657	na	0.004
Mallee dryland	0.002	0.004	na

Table G.32: Response to: *How strongly do you agree or disagree with 'I can do anything I really set my mind to do'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.720	0.006
Central Highlands	0.720	na	0.004
Mallee dryland	0.006	0.004	na

Table G.33: Response to: *How strongly do you agree or disagree with 'I have little control over the things that happen to me'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.998	0.001
Central Highlands	0.998	na	0.010
Mallee dryland	0.001	0.010	na

Table G.34: Response to: *How strongly do you agree or disagree with 'There is little I can do to change many of the important things in my life'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.465	0.000
Central Highlands	0.465	na	0.016
Mallee dryland	0.000	0.016	na

Table G.35: Response to: *Please indicate whether or not you have heard 'Much of the responsibility for deciding what on-ground NRM activities to fund now lies with regional bodies'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.061	0.378
Central Highlands	0.061	na	0.216
Mallee dryland	0.378	0.216	na

Table G.36: Response to: *Please indicate whether or not you have heard ‘The regional body for the region where your property is located is the (relevant regional NRM body)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.285
Mallee dryland	0.000	0.285	na

Table G.37: Response to: *Please indicate whether or not you have heard ‘The board of (relevant regional NRM body) consists mostly of community representatives’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.000
Central Highlands	0.000	na	0.525
Mallee dryland	0.000	0.525	na

Table G.38: Response to: *Please indicate whether or not you have heard ‘The part of this region where your property lies has its own NRM body called the (relevant subregional NRM body)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.407	na
Central Highlands	0.407	na	na
Mallee dryland	na	na	na

Table G.39: Response to: *Please indicate whether or not you have heard ‘The board/committee of the (relevant subregional NRM body) consists mostly of community representatives’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.508	0.000
Central Highlands	0.508	na	0.000
Mallee dryland	0.000	0.000	na

Table G.40: Response to: *Please indicate whether or not you have heard ‘The (relevant subregional NRM body) advises (the relevant regional NRM body) on NRM funding decisions concerned with the (relevant subregion)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.003	na
Central Highlands	0.003	na	na
Mallee dryland	na	na	na

Table G.41: Response to: *In the last few years, how much have you or others on your property had personal contact with the (relevant regional NRM body)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.001	0.000
Central Highlands	0.001	na	0.003
Mallee dryland	0.000	0.003	na

Table G.42: Response to: *In the last few years, how much have you or others on your property had personal contact with the (relevant subregional NRM body)*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.077	0.000
Central Highlands	0.077	na	0.000
Mallee dryland	0.000	0.000	na

Table G.43: Response to: *How strongly do you agree or disagree with 'The regional approach is an improvement on previous approaches'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.060	0.575
Central Highlands	0.060	na	0.146
Mallee dryland	0.575	0.146	na

Table G.44: Response to: *How strongly do you agree or disagree with 'The regional approach has reduced the 'red tape' for landholders seeking NRM funds for on-ground activities'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.189	0.154
Central Highlands	0.189	na	0.889
Mallee dryland	0.154	0.889	na

Table G.45: Response to: *How strongly do you agree or disagree with ‘Federal Government is serious about empowering our community to solve our own NRM problems’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.919	0.003
Central Highlands	0.919	na	0.007
Mallee dryland	0.003	0.007	na

Table G.46: Response to: *How strongly do you agree or disagree with ‘The (relevant state) Government is serious about empowering our community to solve our own NRM problems’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.138	0.028
Central Highlands	0.138	na	0.001
Mallee dryland	0.028	0.001	na

Table G.47: Response to: *How strongly do you agree or disagree with ‘The regional approach is a way for governments to ‘pass the buck’ on difficult issues’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.742	0.018
Central Highlands	0.742	na	0.088
Mallee dryland	0.018	0.088	na

Table G.48: Response to: *How strongly do you agree or disagree with 'The regional approach is part of a strategy to increase government regulation of rural land-use'.* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.335	0.322
Central Highlands	0.335	na	0.058
Mallee dryland	0.322	0.058	na

Table G.49: Response to: *How strongly do you agree or disagree with 'The regional approach is a way to transfer NRM costs onto volunteers'.* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.748	0.000
Central Highlands	0.748	na	0.000
Mallee dryland	0.000	0.000	na

Table G.50: Response to: *How strongly do you agree or disagree with '(The relevant regional NRM body) is less bureaucratic than government generally'.* Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.005	0.005
Central Highlands	0.005	na	0.663
Mallee dryland	0.005	0.663	na

Table G.51: Response to: *How strongly do you agree or disagree with (The relevant regional NRM body) understands the issues faced in our district*'. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.058	0.002
Central Highlands	0.058	na	0.447
Mallee dryland	0.002	0.447	na

Table G.52: Response to: *How strongly do you agree or disagree with 'Community members on (relevant regional NRM body) can be trusted to argue forcefully for the best interests of the (relevant NRM Region)'*'. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.422	0.000
Central Highlands	0.422	na	0.025
Mallee dryland	0.000	0.025	na

Table G.53: Response to: *How strongly do you agree or disagree with 'Staff of (relevant regional NRM body) care about our community'*'. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.989	0.048
Central Highlands	0.989	na	0.065
Mallee dryland	0.048	0.065	na

Table G.54: Response to: *How strongly do you agree or disagree with ‘(The relevant regional NRM body) is serious about helping our community to solve our own NRM problems’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.338	0.007
Central Highlands	0.338	na	0.192
Mallee dryland	0.007	0.192	na

Table G.55: Response to: *How strongly do you agree or disagree with ‘(The relevant regional NRM body) is just a ‘rubber stamp’ for decisions made by the Federal Government’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.264	0.586
Central Highlands	0.264	na	0.491
Mallee dryland	0.586	0.491	na

Table G.56: Response to: *How strongly do you agree or disagree with ‘(The relevant regional NRM body) is just a ‘rubber stamp’ for decisions made by the (relevant state) Government’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.418	0.649
Central Highlands	0.418	na	0.231
Mallee dryland	0.649	0.231	na

Table G.57: Response to: *How strongly do you agree or disagree with 'NRM at the scale of the (relevant NRM Region) is so remote that it discourages us from getting involved'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.013	0.347
Central Highlands	0.013	na	0.045
Mallee dryland	0.347	0.045	na

Table G.58: Response to: *How strongly do you agree or disagree with '(The relevant subregional NRM body) is less bureaucratic than government generally'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.623	na
Central Highlands	0.623	na	na
Mallee dryland	na	na	na

Table G.59: Response to: *How strongly do you agree or disagree with '(The relevant subregional NRM body) understands the issues faced in our district'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.322	na
Central Highlands	0.322	na	na
Mallee dryland	na	na	na

Table G.60: Response to: *How strongly do you agree or disagree with ‘Community members on (relevant subregional NRM body) can be trusted to argue forcefully for the best interests of the (relevant NRM subregion)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.043	na
Central Highlands	0.043	na	na
Mallee dryland	na	na	na

Table G.61: Response to: *How strongly do you agree or disagree with ‘Staff of (relevant subregional NRM body) care about our community’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.367	na
Central Highlands	0.367	na	na
Mallee dryland	na	na	na

Table G.62: Response to: *How strongly do you agree or disagree with ‘(The relevant subregional NRM body) is serious about helping our community to solve our own NRM problems’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.742	na
Central Highlands	0.742	na	na
Mallee dryland	na	na	na

Table G.63: Response to: *How strongly do you agree or disagree with ‘(The relevant subregional NRM body) is just a ‘rubber stamp’ for decisions made by the Federal Government’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.083	na
Central Highlands	0.083	na	na
Mallee dryland	na	na	na

Table G.64: Response to: *How strongly do you agree or disagree with ‘(The relevant subregional NRM body) is just a ‘rubber stamp’ for decisions made by the (relevant state) Government’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.023	na
Central Highlands	0.023	na	na
Mallee dryland	na	na	na

Table G.65: Response to: *How strongly do you agree or disagree with ‘(The relevant subregional NRM body) is just a ‘rubber stamp’ for decisions made by (relevant regional NRM body)’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.185	na
Central Highlands	0.185	na	na
Mallee dryland	na	na	na

Table G.66: Response to: *How strongly do you agree or disagree with 'NRM at the scale of the (relevant NRM subregion) is so remote that it discourages us from getting involved'*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.213	na
Central Highlands	0.213	na	na
Mallee dryland	na	na	na

Table G.67: Probabilities of population differences between cases in respect of respondents identifying involvement with at least one NRM-related local group over the previous few years, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.001	0.000
Central Highlands	0.001	na	0.000
Mallee dryland	0.000	0.000	na

Table G.68: Probabilities of population differences between cases in respect of respondents involved with an NRM-related local group indicating that their greatest such involvement was with a landcare or catchment group, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.000	0.325
Central Highlands	0.000	na	0.000
Mallee dryland	0.325	0.000	na

Table G.69: Probabilities of population differences between cases in respect of respondents involved with an NRM-related local group indicating that their involvement with their highest-involvement group was ‘active’ or ‘fairly active’, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.091	0.792
Central Highlands	0.091	na	0.117
Mallee dryland	0.792	0.117	na

Table G.70: Response to: *How strongly do you agree or disagree with ‘(The relevant regional NRM body) understands the issues faced by this (highest-involvement local) group’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.003	0.000
Central Highlands	0.003	na	0.040
Mallee dryland	0.000	0.040	na

Table G.71: Response to: *How strongly do you agree or disagree with ‘The work of (the relevant regional NRM body) has helped make this (highest-involvement local) group more effective’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.008	0.000
Central Highlands	0.008	na	0.178
Mallee dryland	0.000	0.178	na

Table G.72: Response to: *How strongly do you agree or disagree with ‘This (highest-involvement local) group should work wherever possible with (the relevant regional NRM body) on issues of common interest’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.733	na
Central Highlands	0.733	na	na
Mallee dryland	na	na	na

Table G.73: Response to: *How strongly do you agree or disagree with ‘(The relevant subregional NRM body) understands the issues faced by this (highest-involvement local) group’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.525	na
Central Highlands	0.525	na	na
Mallee dryland	na	na	na

Table G.74: Response to: *How strongly do you agree or disagree with ‘The work of (the relevant subregional NRM body) has helped make this (highest-involvement local) group more effective’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.055	na
Central Highlands	0.055	na	na
Mallee dryland	na	na	na

Table G.75: Response to: *How strongly do you agree or disagree with ‘This (highest-involvement local) group should work wherever possible with (the relevant subregional NRM body) on issues of common interest’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	0.709	na
Central Highlands	0.709	na	na
Mallee dryland	na	na	na

Table G.76: Response to: *Does this (highest-involvement local) group have paid staff to support it?’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.005
Central Highlands	na	na	na
Mallee dryland	0.005	na	na

Table G.77: Response to: *Paid staff supporting this (highest-involvement local) group have the experience and skills needed to do a good job’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.453
Central Highlands	na	na	na
Mallee dryland	0.453	na	na

Table G.78: Response to: *‘These staff understand the issues faced in our district’*. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.310
Central Highlands	na	na	na
Mallee dryland	0.310	na	na

Table G.79: Response to: ‘*These staff care about our community*’. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.175
Central Highlands	na	na	na
Mallee dryland	0.175	na	na

Table G.80: Response to: ‘*These staff are too busy to give this (highest-involvement local) group the support it really needs*’. Probabilities of population differences between cases, using Mann-Whitney Test (2-tailed)

	Blackwood Basin	Central Highlands	Mallee dryland
Blackwood Basin	na	na	0.328
Central Highlands	na	na	na
Mallee dryland	0.328	na	na