

CRADLE COAST NATURAL RESOURCE MANAGEMENT (NRM) BENCHMARKING SURVEY

RURAL LAND MANAGERS INTERVIEW SCHEDULE

Information for Interviewer

The project is funded by Cradle Coast NRM which is based in Burnie and involves telephone interviews with up to 1,000 rural land managers in north west Tasmania. The telephone survey should last no more than 20 minutes and you should interview only those persons you reasonably judge to be 18 years of age and over.

If additional information is requested about the project you can refer them to a website (www.ebc.net.au/ccnrm) or indicate the project manager will contact them.

If you are required to explain...

Cradle Coast NRM is the formally recognised NRM body for North West Tasmania and is hosted by Cradle Coast Authority, an independent regional development organisation representing the nine local governments in the region..

Natural Resource Management (NRM) is the management of all activities that use, develop and / or conserve our air, water, land, plants, animals and micro-organisms and the systems they form. In all our activities we must make balanced decisions between the environment, society and economics.

Interview Process

Hello, my name is..... I am from Environment and Behaviour Consultants and we have been contracted by Cradle Coast NRM to undertake a survey of rural land managers in the Cradle Coast region. You may have read about the survey in your local newspaper. The survey is being undertaken so Cradle Coast NRM can better support rural land managers in addressing land management issues in the region.

The survey will take about 20 minutes and all the information you provide is confidential. Would you like to undertake the survey?"

1. Do you live on or own a rural property?
☐ Yes
☐ No (**Conclude interview**)
2. Are you the manager or involved in the management of the property?
☐ Yes
☐ No...is it possible to speak to someone who is involved in the management of the property?
(**Call back may be required. If No then conclude interview**)
3. Do you have more than one rural property in north west Tasmania?
☐ Yes (**If Yes** then say "when answering the questions could you answer for all properties combined")
☐ No

AWARENESS OF CRADLE COAST NRM

4. Had you heard about Cradle Coast Natural Resource Management or Cradle Coast NRM prior to this survey?
☐ Yes
☐ No (Go to Question 7)
5. What do you think is the main activity undertaken by Cradle Coast NRM?

6. Have you had any contact or communication with Cradle Coast NRM in the last 12 months?

☐ No

☐ Yes...what type of contact or communication have you had...(don't read list)(multiple responses)

☐ ...attending a course or field day organised by the Cradle Coast NRM

☐ ...attending a course or field day that another organisation was running

☐ ...a Cradle Coast NRM staff member visited my property

☐ ...developing a property management plan

☐ ...applying for funding from the Cradle Coast NRM

☐ ...Cradle Coast NRM implementing a project on my property

☐ ...Cradle Coast NRM attended a meeting of a group I'm involved with

Other _____

7. Cradle Coast NRM is responsible for supporting the management of natural resources in the region. If they wanted to communicate information to people in your area, what do you think would be the best way for them to do this? (read list) (multiple responses)

☐ **Don't know or...**

☐ Visit people at their homes or properties

☐ Have a field day

☐ Put information in the local newspaper

☐ Hold community meetings

☐ Put information on the radio

☐ Post information through the mail

☐ Place information on their website

☐ Email information

☐ Place TV advertisements

☐ Letterbox drop

Other _____

8. We have asked you about Cradle Coast NRM, but have you heard of the Cradle Coast Authority?

☐ Yes

☐ No

BELIEF STATEMENTS

I am going to read out some statements. After I read out each statement could you tell me whether you strongly agree, agree, tend to agree, tend to disagree, disagree, or strongly disagree with each statement? (Interviewer: If they don't know then leave blank)

9. Farmers around here do a good job looking after their land	SA	A	TA	TD	D	SD
10. I am concerned about the increased use of inputs including fertilisers and chemicals to achieve higher farm production around here	SA	A	TA	TD	D	SD
11. I think the land around here will be able to sustain the current levels of production into the future	SA	A	TA	TD	D	SD
12. I am more concerned about environmental issues on my farm than I was a few years ago	SA	A	TA	TD	D	SD
13. The way I farm today is the same as I've always done	SA	A	TA	TD	D	SD
14. Farmers shouldn't compromise their farm's long term health for short term profit	SA	A	TA	TD	D	SD
15. I actively address environmental issues on my farm more than I did a few years ago	SA	A	TA	TD	D	SD
16. If farmers are to adopt better environmental and farm management practices they need to be provided with funding to do so	SA	A	TA	TD	D	SD

LAND MANAGEMENT PRACTICES

17. How would you rate your knowledge of land management issues and farming in the local region? If you were to score your knowledge on a scale with one (1) being no knowledge at all and ten (10) being all the knowledge anyone could have, what score would you give yourself?

Score _____ ☐ Don't know

18. Did you undertake any cropping, including vegetable growing, activities in the last two years on your property?

☐ Yes

☐ No (Go to Question 23)

19. Approximately what area of your property was under cropping?

_____ Acres or _____ Hectares

20. Have you undertaken any of the following cropping practices in the last two years? (*read list*) (*multiple responses*)

☐ Stubble retention

☐ Crop rotation

☐ Controlled traffic

☐ Soil testing

☐ Precision farming

☐ Ripper mulching

☐ Bed mulching

☐ Nutrient budgeting

☐ Shelter belts providing wind protection

☐ Understanding your farm's carbon footprint

☐ Fencing to control native or pest animals

21. Have you undertaken any other practices to better improve the land and environmental conditions on your property?

☐ Yes

☐ No (Go to Question 23)

22. What were they?

1. _____

2. _____

23. Have you used your property to run dairy cows or other livestock in the last two years?

☐ Yes

☐ No (Go to Question 28)

24. What area of your property is grazed for dairy cows or other livestock?

_____ Acres or _____ Hectares

25. Have you undertaken any of the following practices in the last two years? (*read list*) (*multiple responses*)

☐ Improved management of dairy effluent

☐ Off stream watering to protect riparian vegetation, river and creek banks

☐ The use of shelter belts to provide shade and/or wind protection

☐ Nutrient budgeting to manage fertilizer requirements

☐ Understanding your farm's carbon footprint

☐ Fencing to control native or pest animals

26. Have you undertaken any other practices to better improve the land and environmental conditions on your property?
- ☐ Yes
- ☐ No (Go to Question 28)
27. What were they?
1. _____
2. _____
3. _____
28. Have you undertaken any agriculture, grazing or land management related courses in the last two years?
- ☐ Yes ☐ No
29. Do you have a documented or written property management plan or map?
- ☐ Yes ☐ No
30. Do you manage all or some of your property for conservation purposes?
- ☐ Yes ☐ No
31. Do you generate any form of on-property income from this?
- ☐ Yes
- ☐ No (Go to Question 33)
32. What type of activities generate the income?
1. _____
2. _____
3. _____

NRM ISSUES

33. I am going to read out a list of possible issues people may have with land and water on their property. As I read each one out, could you tell me if the issue has occurred on your land in the last two years? Could you also tell me if you are unsure or don't know if the issue applies to your property.
(Interviewer: If not an issue at (a) leave blank and go to next issue)

Have acid sulphate soils occurred on your land in the last two years?

- ☐ Yes ☐ No (Go to Question 37)
- ☐ Don't know/unsure (Go to Question 37)

34. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

35. Would you say your ability to address this issue is...

☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 36. What would be the most important barrier to you addressing this issue? (*Don't read*)

☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

37. **Has there been soil erosion to stream beds, banks or gullies** on your land in the last two years?

☐ Yes ☐ No (Go to Question 41)
☐ No as no streams, banks or gullies on my land (Go to Question 41)
☐ Don't know/unsure (Go to Question 41)

38. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

39. Would you say your ability to address this issue is...

☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 40. What would be the most important barrier to you addressing this issue? (*Don't read*)

☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

41. **Has soil erosion to paddocks and fields** occurred on your land in the last two years?

☐ Yes ☐ No (Go to Question 45)
☐ Don't know/unsure (Go to Question 45)

42. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

43. Would you say your ability to address this issue is...

☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 44. What would be the most important barrier to you addressing this issue? (*Don't read*)

☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (i.e. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

45. **Have native animals reduced pasture for grazing** on your land in the last two years?...

- ☐ Yes ☐ No (Go to Question 49)
☐ No, as no pastures for grazing (Go to Question 49)
☐ Don't know/unsure (Go to Question 49)

46. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

47. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 48. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

49. **Have there been introduced pests, including rabbits or deer** on your land in the last two years?...

- ☐ Yes ☐ No (Go to Question 53)
☐ Don't know/unsure (Go to Question 53)

50. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

51. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 52. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

53. **Has there been poor quality water in rivers and streams** on your land in the last two years?...

- ☐ Yes ☐ No (Go to Question 57)
☐ No, as no rivers or streams on my property (Go to Question 57)
☐ Don't know/unsure (Go to Question 57)

54. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

55. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➤ 56. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

57. **Has fertiliser runoff** occurred from your land in the last two years?...

- ☐ No (Go to Question 61)
☐ No as no fertiliser used on my property (Go to Question 61)
☐ Don't know/unsure (Go to Question 61)

58. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

59. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➔ 60. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

61. **Has the natural vegetation around rivers or streams** on your property been in good condition in the last two years?

- ☐ No (Go to Question 65)
☐ No as no rivers or streams on my property (Go to Question 65)
☐ Don't know/unsure (Go to Question 65)

62. Is this a... ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

63. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➔ 64. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

65. **Have the weeds like gorse, thistle or blackberry** that have occurred on your land in the last two years been a...

- ☐ Very minor ☐ Minor ☐ Moderate ☐ Major problem?

66. Would you say your ability to address this issue is...

- ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high

➔ 67. What would be the most important barrier to you addressing this issue? (*Don't read*)

- ☐ Not interested ☐ Lack of money ☐ Lack of time/too busy
☐ Too old ☐ Poor health ☐ Cannot be fixed
☐ Lack of equipment (ie. machinery) ☐ Lack of knowledge (don't know how to fix it)

Other _____

68. Are there any other environmental issues associated with your property that we have not mentioned that you are concerned about?

☐ Yes

☐ No (Go to Question 70)

69. What were they?

1. _____

2. _____

RURAL LAND MANAGER CHARACTERISTICS

70. What is the total area of your property? _____Acres or _____Hectares

71. What is your property primarily used for? (*don't read*) (*multiple responses*)

☐ Dairy

☐ Orchard crops (Stone and/or fruit orchards)

☐ Beef

☐ Tourism or farm stays

☐ Wool

☐ Plantation forestry

☐ Fat lambs (meat)

☐ Native forestry

☐ Poppies or pyrethrum

☐ Conservation land use

☐ Vegetable growing

☐ Lifestyle or hobby farming

Other uses (please specify) _____

72. Do you irrigate on your property?

☐ Yes

☐ No (Go to Question 74)

73. Do you irrigate from groundwater, an on-stream dam or from streams or creeks on your property?

☐ Groundwater

☐ On-stream dam

☐ Streams or creeks

74. How many years have you lived on your main rural property?

_____years (*if less than 1 year record 1 year*)

75. How many years have you managed land in the north west of Tasmania?

_____years (*if less than 1 year record 1 year*)

76. How many generations of your family have been on the property? (*circle one*)

1 2 3 4 5 6 7 8

77. Is it the intention that the property will be passed onto the next generation in your family?

☐ Yes

☐ No

78. What is the highest level of education that you have? Is it...(*Don't read*) (*One response only*)

☐ Primary school

☐ TAFE or vocational college

☐ Year 10

☐ University

☐ Year 12

Other (please specify) _____

79. In the last two years have you been involved in a Landcare group, farmer discussion group or other similar group?

☐ Yes

☐ No

80. Do you use the internet at home?

☐ Yes

☐ No

81. What would be the nearest town to your property?

82. How many kilometres by road are you from this town or location?

_____Km

83. In what year were you born? _____

84. *Interviewer: Record Male or Female*

☐ Male

☐ Female