Moranbah community survey

‘A survey about community development’

Final Sampling Report

Prepared by Christine Hanley
Centre for Social Science Research
December 2006
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>INTRODUCTION</td>
<td>3</td>
</tr>
<tr>
<td>SAMPLING DESIGN</td>
<td>4</td>
</tr>
<tr>
<td>THE SURVEY INSTRUMENT</td>
<td>5</td>
</tr>
<tr>
<td>TELEPHONE DATA COLLECTION</td>
<td>7</td>
</tr>
<tr>
<td>MAIL OUT</td>
<td>8</td>
</tr>
<tr>
<td>First Electronic Mail Out</td>
<td>8</td>
</tr>
<tr>
<td>First Postal Mail Out</td>
<td>8</td>
</tr>
<tr>
<td>Second Electronic Mail Out – Reminder Notice</td>
<td>9</td>
</tr>
<tr>
<td>Second Postal Mail Out – Reminder Notice</td>
<td>9</td>
</tr>
<tr>
<td>RESPONSE RATES</td>
<td>10</td>
</tr>
<tr>
<td>Response Rate</td>
<td>10</td>
</tr>
<tr>
<td>Co-operation Rate</td>
<td>11</td>
</tr>
<tr>
<td>Contact Rate</td>
<td>11</td>
</tr>
<tr>
<td>Refusal Rate</td>
<td>11</td>
</tr>
<tr>
<td>Response Rate (postal/email data collection)</td>
<td>12</td>
</tr>
<tr>
<td>QUALITY ASSURANCE</td>
<td>12</td>
</tr>
<tr>
<td>THE DATA</td>
<td>13</td>
</tr>
<tr>
<td>APPENDICES</td>
<td>13</td>
</tr>
<tr>
<td>APPENDICES</td>
<td>14</td>
</tr>
<tr>
<td>Appendix A: Moranbah Study – CATI Script (Part A)</td>
<td>14</td>
</tr>
<tr>
<td>Appendix B: Moranbah Study - Paper Version (Part A &amp; B)</td>
<td>58</td>
</tr>
</tbody>
</table>
INTRODUCTION

The Moranbah Community Study examined the social and economic impacts of coal mines on the township of Moranbah. Moranbah is a small town, located approximately 190 kilometres west of Mackay and with a population of approximately 7,000 residents. Moranbah is the service centre for several large coal mines.

The aim of the research was to explore the ways in which coal mining in the Shire has impacted – positively or negatively – on the people in Moranbah.

The study was conducted on behalf of independent researchers from Central Queensland University. The survey was funded by the Queensland Government.

The study adopted a multiple data collection strategy in order to reduce non-response bias and counter the perception that the data collection methodology introduced any untoward influence. The data collection period was also extended in order to capture those respondents who would have normally been absent during a shorter collection period.
SAMPLING DESIGN

Main Features of Design:

a. The township of Moranbah
   • All households that contain a current land-based telephone number

b. Two-stage sampling process (Telephone survey).
   • Use of Market Pro database for selecting Moranbah phone numbers.
   • Use of the Moranbah Telephone Directory 2005/06 to ensure the Market Pro sample was current and to include up to date contact details of new residents in Moranbah.

c. A convenience sample selection of households (non-probability)

The target population designated for telephone interviewing was all persons 18 years of age or older who, at the time of the survey, were living in a dwelling unit in the town of Moranbah that could be contacted by direct-dialled, land-based telephone service or a mobile telephone service.

The total sample attempted by telephone interviewers at the PRL was 1034 and a total of 2499 calls were made. The average interview length was 20.08 minutes.
THE SURVEY INSTRUMENT

The survey instrument consisted of three components:

1. A standardized introduction;


3. Choice Modelling Questions

The standardized introduction was designed specifically for the survey to offer several options for the potential respondents. The inclusion of different options for the potential respondents was driven by the Choice Modelling research design. It is not usually possible to undertake Choice modelling questions over the telephone.

Choice modelling techniques can be adopted for decomposing community preferences into the contribution of each of a number of attributes. They can be used for prediction in many situations where cross-section or time series regression models are ineffective. Choice modelling typically uses an experimental design to vary the attribute levels across hypothetical items which can be described to survey respondents.

In a choice modelling study, each respondent evaluates a "set" of items and indicates which would be chosen. This is repeated several times for different choice sets. The aggregate choice frequencies can be modelled (usually multinomial logit) to infer the relative impact of each attribute level on choice. Community opinion/preference can be predicted across a range of scenarios using this model.

Potential respondents were contacted by telephone and asked to participate in the research. They were offered two different ways of completing the survey questionnaire. Respondents could choose to complete Part A of the survey over the telephone and have the Choice modeling section (Part B) of
the questionnaire mailed to their home address or emailed to them as a Microsoft Word attachment file, or they could have the whole questionnaire (Part A and Part B) sent to them via post or email. This option was only utilized if the respondent declined to participate over the phone – it was not offered as an initial option. In either case contact details were updated and current postal and email addresses were obtained.

Part A of the survey questionnaire remained the same for all respondents, however the Choice modelling section comprised of different versions.

There were 8 unique sets of ‘choice’ questions. The choice behaviour questions in Part B were also offered in reverse order which took the total number of versions to 16.

The questionnaire was pilot-tested by trained interviewers on a number of randomly-selected households in the Moranbah area. Interviewer comments (e.g. confusing wording, inadequate response categories, question order effect, etc.) and pre-test frequency distributions were reviewed before modifications were made to the 2006 Moranbah Study questionnaire.
TELEPHONE DATA COLLECTION

The 2006 Moranbah Study was administered through the ten-station CATI (Computer-Assisted Telephone Interviewing) system installed on a local area network at the PRL. This system facilitates the exchange of information among interviewing PC stations and supervisor stations linked via a file server during the data collection period. Supervisors monitor call dispositions, field edit, validate and accumulate data for analysis.

Following the pre-test, an electronic questionnaire was modified for the main data collection. The sample database was also loaded into the CATI system that allocates telephone numbers to the interviewing stations. The question text and instructions were presented on the computer screen to the interviewer who asked the questions to the respondent over the telephone and then entered the given responses into the computer. CATI features such as the automatic routing of questions and built-in checks for inconsistencies and wild codes eliminated additional field editing. Since the interviewers keyed in the responses directly into the computers, a continual monitoring of the closed-ended responses was possible.

The interviewing began on Wednesday 8th November and was completed on Tuesday 14th November. All of the telephone data collection was conducted from the Population Research Laboratory at Central Queensland University. Interviews were conducted between the hours of 10:30 a.m. to 2:30 p.m. and 4:30 p.m. to 8:30 p.m., Monday morning through to Sunday evening. If the interviewers were unsuccessful in establishing contact on their first call, a minimum of seven callback attempts were made before declaring a telephone number as "no contact." Upon making contact, interviewers identified themselves, explained the reason for calling, and then asked the screening questions for selecting the respondent.

1The Ci3 CATI System is a PC-based product of Sawtooth Software, Evanston, Illinois.
Part A of the survey was completed over the phone with a total of 265 respondents.

**MAIL OUT**

**First Electronic Mail Out**

After completion of the telephone data collection phase of the Moranbah Study a mail out was conducted in order to allow those respondents who chose to complete the survey by postal mail or email to do so and to mail out Part B of the survey to all respondents who had agreed to this option.

A total of 135 respondents were emailed Part B of the survey as a Microsoft Word attachment. Included in the email out was; a letter of introduction and Part B of the survey in the format of an interactive form. A total of 17 respondents were emailed both Part A and Part B of the survey as a Microsoft Word attachment.

Version numbers for Part B (Choice Modelling) were randomly assigned when the original sample was compiled.

The electronic mail out was concluded on Friday 17th November.

The count of returned surveys on Friday 24th November was; 47 surveys returned by email.

**First Postal Mail Out**

A total of 127 respondents were mailed Part B of the survey. Included in the mail out was; a letter of introduction and a reply paid envelope which was stamped with the Population Research Laboratory return address.

A total of 36 respondents were mailed both Part A and Part B of the survey. Included in the mail out was; a letter of introduction and a reply paid envelope which was stamped with the Population Research Laboratory return address
Each survey was marked with the respondent’s identification number before it was mailed. Version numbers for Part B (Choice Modelling) were randomly assigned when the original sample was compiled.

The postal mail out was concluded on Thursday 30th November with postage pick-up occurring on Friday 1st December.

The count of returned surveys on Thursday 7 December was; 16 Part B surveys and 0 Part A&B surveys returned by post.

**Second Electronic Mail Out – Reminder Notice**

A second electronic mail out was conducted on Friday 24th November. The second electronic mail out consisted of a reminder notice to all participants who had not returned or attempted to return the survey. A total of 70 reminder notices were sent electronically via email. The survey was also sent again as an attachment.

After the second electronic mail out a further 19 surveys were returned by email by the end date of the study. The final count of returned surveys on Monday 18 December was 66 returned surveys by email. One additional survey was returned via fax.

**Second Postal Mail Out – Reminder Notice**

A second postal mail out was conducted on Thursday 7 December with postage pickup occurring on Friday 8 December. The second postal mail out consisted of a reminder notice to all participants who had not returned or attempted to return the survey. A total of 147 reminder notices (111 Part B only 36 Part A& B) were sent via postal mail.

After the second postal mail out a further 48 surveys were returned by post by the end date of the study. The final count of returned surveys on Monday
18 December was 64 returned surveys by post.

A further 12 surveys were returned after this date and figures have been amended to include these cases.

**RESPONSE RATES**

The reporting of response, cooperation, contact, refusal and eligibility rates as indicators of quality and representativeness for population based surveys is an important tool that allows for comparisons between surveys. In order to assist this aim we have adopted the recommended standard final outcomes categories and standard definitions of response rates based on the American Association for Public Opinion Research, Standard Definitions².

*Response Rate*

The response rate is a calculated percentage representing the number of people participating in the survey either with a completed or partially completed interview divided by the people selected in the sample. The numerator is the number of completed or partially completed interviews and the denominator includes the completed and partially completed interviews, the refusals, the sample not contacted, and other non eligible households from within the sample frame.

RR6 is the maximum response rate. The calculations for RR6 are shown below.

\[
RR6 = \frac{\text{Complete interviews} + \text{Partial Interviews}}{\text{(Complete + Partial) + (Refusal + Non Contact + Other)}}
\]

\[
RR6 = \frac{265 + 54}{265 + 54}
\]

The RR6 Response Rate for the 2006 Moranbah Study was 65.77%

**Co-operation Rate**

COOP4 is the maximum co-operation rate. The calculations for COOP4 are shown below.

\[
COOP = \frac{\text{Complete Interviews} + \text{Partial Interviews}}{(\text{Complete} + \text{Partial}) + \text{Refusal} + \text{Other}}
\]

\[
COOP = \frac{265 + 54}{(265 + 54) + 142 + 3}
\]

The COOP4 Co-operation Rate for the 2006 Moranbah Study was 68.75%

**Contact Rate**

CON3 is the maximum contact rate. The calculations for CON3 are shown below.

\[
CON3 = \frac{(\text{Complete Interviews} + \text{Partial Interviews}) + \text{Refusal} + \text{Other}}{(\text{Complete} + \text{Partial}) + \text{Refusal} + \text{Other} + \text{Non Contact}}
\]

\[
CON3 = \frac{265 + 54 + 142 + 3}{(265 + 54) + 142 + 21 + 3}
\]

The CON3 Contact Rate for the 2006 Moranbah Study was 95.67%

**Refusal Rate**

REF3 is the maximum refusal rate. The calculations for REF3 are shown below.
REF3  ____________  Refusals

(Complete + Partial) + (Refusal + Non Contact + Other)

REF3  ____________  142

(265 + 54) + 142 + 21 + 3

The REF3 Refusal Rate for the 2006 Moranbah Study was 29.28%

Response Rate (postal/email data collection)

RR6 = ______Complete interviews + Partial Interviews____________

(Complete + Partial) + (Refusal + Non Contact + Other)

RR6 = ____________ 143__________

315

The RR6 Response Rate (postal/email) for the 2006 Moranbah Study was 45.40%

Response rates for general household surveys have been on the decline in recent years. Respondents are increasingly subject to telephone solicitation for fundraising, market research, or sales. As a result, some householders are reluctant to participate in telephone surveys. A perceived barrier to contacting respondents is householder's increased use of the call display option to screen telephone calls.

QUALITY ASSURANCE

Quality assurance is taken very seriously by the Population Research Laboratory. As part of the QA program within the PRL special training of
the staff was undertaken. A Supervisors briefing was also conducted. Prior to the commencement of data collection the survey instrument was trialled and the data examined. All PRL staff involved in the study were required to sign a Confidentiality Statement before the commencement of data collection. Feedback was sought on the final version of the survey instrument from the survey sponsors. Data and document backup procedures were implemented.

The data was regularly monitored during the data collection period. Regular data backups were made and the data was stored at two secure locations. Daily assessments were made of the data collection progress. A Supervisors’ electronic log book was maintained in order to facilitate discussion and permit prompt action of any potentially adverse situations that arose.

THE DATA

The data were tabulated and cleaned using the SPSS for Windows\(^3\) statistical package. The data cleaning process included wildcode, discrepant value, and consistency checks. The resultant data set contains 143 (Part A and B) cases with a total of 142 variables for each. A further 135 cases which contain Part A data only are included, along with a further 40 cases for which no data is recorded (questionnaire not returned to date). An SPSS system file with a dictionary was created for end users to analyze the data.

<table>
<thead>
<tr>
<th>Disposition</th>
<th>Frequency</th>
<th>Percent</th>
<th>Valid Percent</th>
<th>Cumulative Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valid Part A only</td>
<td>135</td>
<td>42.5</td>
<td>42.5</td>
<td>42.5</td>
</tr>
<tr>
<td>Part A and B complete</td>
<td>143</td>
<td>45.0</td>
<td>45.0</td>
<td>87.4</td>
</tr>
<tr>
<td>Neither Part A or Part B</td>
<td>40</td>
<td>12.6</td>
<td>12.6</td>
<td>100.0</td>
</tr>
<tr>
<td>Total</td>
<td>318</td>
<td>100.0</td>
<td>100.0</td>
<td></td>
</tr>
</tbody>
</table>

\(^3\)SPSS (Statistical Package for the Social Sciences) is a product of SPSS Inc., Chicago, Illinois.
APPENDICES

Appendix A: Moranbah Study – CATI Script (Part A)

CATI ON
COL 112
NOTE F2
Help F1
Progress ON
SQN Right

C:*******************************************************
C:        MORB6 (KMIN6) - Moranbah Community Survey 2006
C:                 START BY DECLARING ALL LISTS
C:*******************************************************

LIST years
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
Q: Qphone
T: 5 10
Interviewer - Please enter the telephone number
I:
opn
Q: Hello
T: 5 10
[Interviewer - Is this a callback?
If callback - check name on previous page]
1 Yes
2 No
I:
Key 1 2
If (ans=1) skp Callback

Q: Hello1
T: 2 5
Hello my name is __________________________, and I am calling from
the
Centre for Social Science Research at Central Queensland University in
Rockhampton.
We have been asked to talk with residents of Moranbah about your views on the potential development of your community. We are interested in what you think are the most important things for the future of the town.

You don't need to know specifically about community development, as there are no right or wrong answers. We are simply trying to assess your views. Any adult member of your household can complete this survey. It should only take about 15 minutes.

Are you willing to participate?

PRESS 1  Yes - continue
PRESS 2  Not willing - try paper version
PRESS 3  Selected respondent request callback - note name/sex
PRESS 4  No - end interview

I:
Num 1 4
If (ans=1) skp Hello3
If (ans=2) skp Paper
If (ans=3) skp FINAL
If (ans=4) skp NOTQAL

Q: Callback
T: 2 5
Hello my name is __________________________, and I am calling from the Centre for Social Science Research at Central Queensland University in Rockhampton. We have been asked to talk with residents of Moranbah about your views on the potential development of your community.

We called earlier and asked to speak to [name of resident in the household]

Would that person be available now?

[If not, are there any other adults in the house that we may talk to?]

PRESS 1  TO CONTINUE
PRESS 2  Not willing - try paper version
PRESS 3  If unavailable make callback - note respondent name/sex
PRESS 4  TO END
I:
Num 1 4
if (ans=1) skp Hello3
If (ans=3) skp FINAL
If (ans=4) skp NOTQAL

Q: Paper
T: 5 10
It is also possible to participate in the research by completing
a paper version that we can post or email to you.

Would you be willing to participate in this way?

1 Yes
2 No

I:
Key 1 2
If (ans=1) skp Quota1
If (ans=2) skp NOTQAL

Q: Hello3
T: 2 1
Thank You. Your participation in this important research will be greatly
appreciated, as this will help CQU researchers develop
a better understanding of the views of the residents of Moranbah.
This research is being undertaken by CQU with funding from the
Queensland Government.

This interview is completely voluntary and entirely confidential.
The survey will take about 15 minutes of your time. You are free
to end the interview at any time. Should you withdraw from
the study, no data will be used from this interview.
If you come to a question that you would prefer not to
answer, just let me know and I'll skip over it.

[IF NECESSARY SAY: Your telephone number was randomly selected by
calendar and participation is completely confidential and voluntary.
It is a very important project aimed to better understand the
needs of the residents of Moranbah.
Are you sure you wouldn't be willing to take part?]

PRESS 1 to continue
PRESS 2 to end
I:
KEY 1 2
If (ans =2) skp NOTQAL

Q: Quota1
Press 1 to continue

I:
Key 1
QAL NOTQAL

Q: Quota
T: 5 10

1 Continue with telephone survey
2 Enter to record postal address and name only
3    Enter to record email address and name only
I:
Num 1 3
CMDI id "ID" 1
CMDI randnum "RandNum" 1
If (ans=2) skp Paddress
If (ans=3) skp Eaddress

Q: Hello4
T: 5 10

Before we start I just need to explain the structure of the survey
We can complete Part A right now over the phone however, Part B
which only takes a few minutes, will need to be completed using
a paper version that we can post or email to you.

Can we begin?

[Please RE-TYPE the ID number and Version number
shown on bottom right of screen. Use comma to separate
E.g. 29, 7]
I:
CMDI id "ID" 1
CMDI randnum "RandNum" 1
SHOW id 19 10
SHOW randnum 20 10
Oqn
C:******************************************************************************
C: A survey about Community Development
C:******************************************************************************
Q: Q1
The first few questions are about you and your family.

How long have you lived in Moranbah?

1 less than one year
2 1 - 2 years
3 2 - 3 years
4 3 - 4 years
5 4 - 5 years
6 6 - 10 years
7 10 - 15 years
8 over 15 years
9 Don't know/no response

I:
Num 1 9

Q: Q2a
T: 5 10
How long do you think you will continue to live in Moranbah?

1 rest of my life
2 another 10 - 20 years
3 another 5 - 10 years
4 another 2 - 4 years
5 less than 2 years
6 Don't know/No response

I:
Num 1 6

Q: Q2b
T: 5 10
What is the structure of your household?

1 Family with children (young or school age)
2 Family with older children or other family as well
3 You and your partner only
4 Single person
5 Two or more single people sharing house
6 Don't know/no response
7 Other (perhaps one of the above with additional boarders)

I:
Num 1 7
If (ans<7) skp Q3a

Q: Q2c
T: 5 10

Specify Other household structure

[Open-ended]

I:
opn

Q: Q3a
T: 5 10
What major industry do you work in?

1 Agriculture
2 Coal Mining
3 Other Mining
4 Mining Services
5 Manufacturing
6 Electricity, Gas and Water
7 Building and Construction
8 Trade, Accommodation and Restaurants
9 Transport and Communication
10 Finance
11 Government
12 Education
13 Entertainment, Recreation, Community Services and Other Services
14 Home duties
15 Unemployed / between jobs
16 Other (please specify)
I:
Num 1 16
If (ans < 16) skp Q3c

Q: Q3b
T: 5 10
Other (please specify)

[Open-ended]

I:
Opn
Q: Q3c
T: 5 10
If you have a partner or there is another adult at that residence, what major industry do they work in?

0 No other adults
1 Agriculture
2 Coal Mining
3 Other Mining
4 Mining Services
5 Manufacturing
6 Electricity, Gas and Water
7 Building and Construction
8 Trade, Accommodation and Restaurants
9 Transport and Communication
10 Finance
11 Government
12 Education
13 Entertainment, Recreation, Community Services and Other Services
14 Home duties
15 Unemployed / between jobs
16 Other (please specify)
I:
Num 0 16
If (ans < 16) skp Q4a

Q: Q3d
T: 5 10
Other (please specify)

[Open-ended]
I:
Opn

Q: Q4a
T: 5 10
Are you, or other adults in your household employed in continuous shift work?

1 Yes
2 No
I:
Num 1 2
If (ans >1) skp Q5a

Q: Q4b
T: 5 10
How many people in your household are employed in continuous shift work?

1 One person in household
2 Two people in household
3 Three or more people in household
4 Don't know/no response
I:
Num 1 4

Q: Q4c
T: 5 10
Where do you (and your partner) spend most of your time when OFF SHIFT?

1 Spend time in Moranbah
2 Spend time in Mackay
3 Spend time in other areas of the Mackay region
4 Spend time in Townsville
5 Spend time in Rockhampton
6 Spend time on the Central Queensland coast (e.g. Yeppoon)
7 Spend time in Brisbane
8 Other (specify)
I:
Num 1 8
If (ans<8) skp Q4e

Q: Q4d
T: 5 10
Specify other

[Open-ended]
I:
opn

Q: Q4e
T: 5 10
What would be the total percentage of time that you spend in Moranbah when you are OFF SHIFT?
The next section asks your perceptions about living in Moranbah.

I will read a number of statements about Moranbah and I would like you to respond using the following scale.

[Please read response options before the statement]

The people are friendly

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

It's a safe place to live

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

There's a good mix of people
I:
Num 1 6

Q: Q5d
T: 5 10
There's a good mix of age groups

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Num 1 6

Q: Q5e
T: 5 10
It's a good place to bring up kids

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Num 1 6

Q: Q5f
T: 5 10
It's a stable community

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Num 1 6

Q: Q5g
T: 5 10
It's a relaxed lifestyle

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Num 1 6

Q: Q5h
T: 5 10
There's a high involvement with sport

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Num 1 6

Q: Q5i
T: 5 10
There's convenient access to other centres

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

I:
Q: Q5j
T: 5 10
There's a country town aspect

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

Q: Q5k
T: 5 10
Are there any other characteristics of the Moranbah township that should be highlighted?

[Open-ended]

Q: Q6
T: 5 10
Do you enjoy living in Moranbah?

1 Very much
2 Mostly
3 Sort of
4 Sometimes
5 Not at all
6 Don't know/no response

Q: Q7
T: 5 10
Does your partner/other adult in household enjoy living in Moranbah?
The next section asks about your expenditure patterns in Moranbah and elsewhere.

What proportion of the money that you spend on Accommodation do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]

[Accommodation paid for elsewhere is the next question].
I:
Num 0 100

Q: Q8acc2
T: 5 10
Accommodation paid for elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8gro1
T: 5 10
What proportion of the money that you spend on Food
and groceries do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]

[Food/groceries purchased elsewhere is the next question].
I:
Num 0 100

Q: Q8gro2
T: 5 10
Food and groceries purchased elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]

I:
Num 0 100

Q: Q8car1
T: 5 10
What proportion of the money that you spend on Car and machinery purchases do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8car2
T: 5 10
Cars and machinery purchased elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]

I:
Num 0 100

Q: Q8tra1
T: 5 10
What proportion of the money that you spend on car repairs and other transport costs do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8tra2
T: 5 10
Car repairs and other transport costs elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8app1
T: 5 10
What proportion of the money that you spend on household appliances do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8app2
T: 5 10
Household appliances elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8fur1
T: 5 10
What proportion of the money that you spend on household furnishings and hardware do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8fur2
T: 5 10
Household furnishings and hardware elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100
Q: Q8clo1
T: 5 10
What proportion of the money that you spend on clothing, shoes and fashion shopping do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8clo2
T: 5 10
Clothing, shoes, fashion shopping elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8caf1
T: 5 10
What proportion of the money that you spend on cafes and restaurants do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8ent2
T: 5 10
Cafes and restaurants elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8med1
T: 5 10
What proportion of the money that you spend on Medical services do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100
Q: Q8med2
T: 5 10
Medical services elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8ser1
T: 5 10
What proportion of the money that you spend on Other services (financial, cultural, recreational, personal services) do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60%]
I:
Num 0 100

Q: Q8ser2
T: 5 10
Other services elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8com1
T: 5 10
What proportion of the money that you spend on computing and electronics do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60%]
I:
Num 0 100

Q: Q8com2
T: 5 10
Computing and electronics elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100
Q: Q8spo1
T: 5 10
What proportion of the money that you spend on Sports goods do you spend in Moranbah?

[ENTER AS A PERCENTAGE, E.G 60% ]
I:
Num 0 100

Q: Q8spo2
T: 5 10
Sports goods elsewhere

[ENTER AS A PERCENTAGE, E.G 30%]
I:
Num 0 100

Q: Q8_2a
T: 5 10
If you do not spend a high proportion of your budget in Moranbah, can you please indicate the main reason?

1 Do spend a high proportion in Moranbah
2 Can't find the right goods and services
3 In the habit of going shopping elsewhere
4 Like shopping where I have more choice
5 Like shopping while away on a break/holiday
6 Find it too expensive in Moranbah
7 Don't get good enough service in Moranbah
8 Privacy issues
9 Other (please specify)

I:
Num 1 9
If (ans <9) skp Q9

Q: Q8_2b
T: 5 10
What would that reason be?

[Open-ended]

I:
Opn
Q: Q9
T: 5 10
So, out of your TOTAL DISPOSABLE INCOME, what percent are you spending in Moranbah?
Enter as a percentage. E.g. 45%
I:
Num 0 100

C:*************************************************
C: Development of Coal Mining
C:*************************************************

Q: Q10_1
T: 5 10
The following statements are about the development of coal mining in the region. We'd like to ask whether you agree or disagree with some statements concerning issues others have raised with us. Please respond to each statement by stating whether you Strongly agree, Agree, Neither agree nor Disagree, Disagree or Strongly Disagree.

The coal mines support local businesses and events

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q10_2
T: 5 10
The recent increases in house prices and rents in Moranbah are a good outcome

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree  
5 Strongly disagree  
6 Don't know/no response  

I:  
Num 1 6  

Q: Q10_3  
T: 5 10  
Mining in the district creates a good environment to invest in other businesses  
1 Strongly agree  
2 Agree  
3 Neither agree nor disagree  
4 Disagree  
5 Strongly disagree  
6 Don't know/no response  

I:  
Num 1 6  

Q: Q10_4  
T: 5 10  
Mining companies have a good knowledge of local issues and what local communities want  
1 Strongly agree  
2 Agree  
3 Neither agree nor disagree  
4 Disagree  
5 Strongly disagree  
6 Don't know/no response  

I:  
Num 1 6  

Q: Q10_5  
T: 5 10  
The Shire Council has a good knowledge of local issues and what local communities want  
1 Strongly agree  
2 Agree  
3 Neither agree nor disagree  
4 Disagree  
5 Strongly disagree  
6 Don't know/no response
The number of contractors working in Moranbah has been good for the town.

Different people in the region may mean that crime and social problems are on the increase.

Moranbah is attractive for new mining families to move to the town.
The mining industry expansion is creating cost burdens on the Belyando Shire Council to provide extra services.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I worry about the potential environmental impact (dust, noise) from coal mines if they are developing close to the town.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

If mining comes close to town boundaries, I might consider moving from Moranbah.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
Increased traffic means the district is not as safe as it used to be

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

Driver fatigue issues means the district is not as safe as it used to be

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

Current shift work patterns have negative impacts on community activities in Moranbah

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

Q: Q10_15
The local community does not really get a say in how mine developments affect the town

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/No response

Mining companies should focus only on production (not on contributions to the community) so that they can maximise employment and wage levels in the community

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

The town should be allowed to expand even if there are coal reserves underneath

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
T: 5 10
Mining the coal reserves close to Moranbah can be done in ways that don't impact on residents

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q10_19
T: 5 10
It is better to focus on building workcamps rather than housing in Moranbah, in case there is a downturn in the coal industry

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q11_1
T: 5 10
The following statements are about how you think Moranbah can cope with the current high demand for housing. Again, please respond to each statement by stating whether you Strongly agree, Agree, Neither agree nor Disagree, Disagree or Strongly Disagree.

Additional workcamps are a good way of dealing with current accommodation shortages.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
It is better to have a few big workcamps than a number of smaller facilities.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

There are no problems with having houses rented out to groups of shift workers.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

It would be preferable to have shift workers in Moranbah sharing houses rather than living in workcamps.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
Many people currently using workcamps would move to Moranbah if cheaper housing was available.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

The development of the town should focus more on providing affordable accommodation.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

If there are more workcamps, it might encourage some families to move to the coast.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
Growth in Moranbah should be restricted until more water supplies are available.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

It would be better to have more houses in Moranbah even if there are increased water restrictions.

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I will now read out a number of statements to find out what you think would encourage you or other families to live in Moranbah? Using the same scale as the previous questions could you tell me whether you agree or disagree.

Less shift work

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
More job opportunities for children and partners

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

More activities for younger children

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

More activities for teenagers

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response
Q: Q12_5
T: 5 10
Better educational facilities

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q12_6
T: 5 10
Better shopping and service facilities

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q12_7
T: 5 10
Better medical facilities

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q12_8
T: 5 10
Better entertainment
1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q12_9
T: 5 10
More shops and services

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

Q: Q12_10
T: 5 10
Cheaper housing

1 Strongly agree
2 Agree
3 Neither agree nor disagree
4 Disagree
5 Strongly disagree
6 Don't know/no response

I:
Num 1 6

C:***************************************************************************
C: Travel to Mackay
C:***************************************************************************

Q: Q13
T: 5 10
The next few questions are about your use of Mackay as
How often do you travel to Mackay?

1 More than once a week
2 About once a week
3 About once a fortnight
4 About once a month
5 About once every 2-3 months
6 About once every 4-6 months
7 About once every 7-12 months
8 Less than once a year
9 Don't know/No response

I: Num 1 9

Q: Q14_1
T: 5 10
I will now read a list of services and I would like you to tell me how important MACKAY is for you to access these different services.

Family and friends

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

I: Num 1 6

Q: Q14_2
T: 5 10
Food/groceries

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response
Car purchase and repairs
1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

Clothing, shoes, fashion shopping
1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

Household appliances and furniture
1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response
Medical services

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

T: 5 10
I: Num 1 6

Financial services

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

T: 5 10
I: Num 1 6

Education and training

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

T: 5 10
I: Num 1 6

Sporting activities and events

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

Q: Q14_10
T: 5 10
Recreation activities and clubs

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

Q: Q14_11
T: 5 10
Cultural and social events

1 Very important
2 Important
3 Moderately important
4 Of little importance
5 Unimportant
6 Don't know/No response

Q: Q15
T: 5 10
The last questions are to ensure we have a good cross section of the community.

Enter respondent's gender

1 Male
2 Female
What was your age on your last birthday?

What is your present marital status?

How many children under the age of 18 years live in your household?
If (ans<1) skp Q19

Q: Q18b
T: 5 10
Are the children?

Younger than primary school age

[Enter number that are or 0 if none]

I:
Num 0 20

Q: Q18c
T: 5 10
Are the children

Primary school age

[Enter number that are or 0 if none]

I:
Num 0 20

Q: Q18d
T: 5 10
Are the children

Secondary school age

[Enter number that are or 0 if none]

I:
Num 0 20

Q: Q19
T: 5 10
Which broad income range is relevant for your household?
(Note: we want annual household income before tax - the total of all income earners in the household)

1 Less $30,000
2 $30,000 - $50,000
3 $50,000 - $70,000
4 $70,000 - $100,000
5 $100,000 - $150,000
6 More than $150,000
7 Don't know/no response
If you could change one thing in the community, no matter how small, what would it be?

Openended response

Would you like to make any comments about the survey, or additional comments about some the issues raised in it?

Openended response

As I mentioned at the beginning of the survey the research is in two parts and we have now completed part A. Part B, which will only take a few minutes can be completed by a paper version that we can post out to you or email to you as an attachment.

[If they need an explanation for the two parts explain that we are using Choice modelling research methods]

Would you prefer us to send Part B by:

1 Email
2 Post
3 Does not wish to do Part B
Q: Eaddress
T: 5 10
Do you have a current email address?

[EXAMPLE: j.bloggs@bigpond.com]

Your ACCURACY here is VERY IMPORTANT.
Check all spelling and punctuation
Please read back to the respondent to check]

I:
opn
skp QFname

Q: Paddress
T: 5 10
Can we have your current mailing address, please?

[EXAMPLE: 21 Dusty Street, MORANBAH, QLD, 4744]

Your ACCURACY here is VERY IMPORTANT.
Check all spelling and punctuation
Please read back to the respondent to check]

I:
Opn

Q: QFname
T: 5 10
Can we have your name, please?

[EXAMPLE: Mr Joe Bloggs]

Your ACCURACY here is VERY IMPORTANT.
Check all spelling and punctuation
Please read back to the respondent to check]
I:
Opn
Thank you very much for participating in this research.

Push 1 to continue

Please rate the quality of the Interview
1  HIGH
2  ADEQUATE
3  QUESTIONABLE

Please rate the Respondent's cooperation
1  COOPERATIVE
2  INDIFFERENT
3  UNCOORDERATIVE

Please enter any detail about the respondent or the interview situation that seems important in interpreting the information given?

OPEN ENDED RESPONSE
I declare that this interview was conducted in accordance with the interviewing and sampling instructions given by the Population Research Laboratory. I agree that the content of all respondent's responses will be kept confidential.

PLEASE TYPE YOUR NAME AND ID
PLEASE TYPE THE RESPONDENTS RECORD NUMBER

I:

Q: Ti_data4
T: 5 10

Thank you for your time.
We hope you will be able to participate in future surveys.

Press 1 to end

Q: NOTQAL
T: 5 10

CODE DISPOSITION
1 No answer
2 No answer after appointment
3 Busy/engaged
4 Busy/engaged after appoint.
5 Answering machine/voicemail
6 Ans./voicemail aft appoint.
7 Fax Modem
8 Fax Modem aft appoint.
9 Non-residential number
10 Disconnected/Telstra message
11 Unusual tone
12 Call back with time suggested
13 Call back no time suggested
14 Silent number/refusal
15 Inconvenient hangup
18 Terminated interview

Q: FINAL
T: 2 2
19 Quota full
21 Wrong number/crossed line
22 Bad line impossible to continue
23 Unreliable respondent
T: 2 37
25 Incomplete interview
26 Hearing or comprehension problem
27 Language problem
28 No interview/email address only
29 No interview/postal address only
30 Complete interview with email
31 Complete interview with postal
34 Complete interview only
35 Refusal eligible household
36 Refusal eligibility unknown
(Before topic mentioned)
37 Refusal eligibility unknown
(After topic mentioned)
40 Already completed interview
42 H/hold not in study area
43 H/hold not available during study
44 No-one of the selected age/gender
45 Many calls - Hard to reach
Only assigned by supervisor
I:
num 1 45
oth 21 12 10 16 60
DISPOS = ANS
ENDQUEST
Appendix B: Moranbah Study - Paper Version (Part A & B)

Due to the formatting of this report and the paper version survey form it cannot be shown here, but is provided as a separate attachment.