#### **Commercial Fisher Survey 2017**

*Hello! My name is*

You may remember receiving a note from CSIRO about the Social and Economic Long Term Monitoring Programme currently underway in the Great Barrier Reef? …. (expand?)

….Do you *(or your licence(s))*, operate in the GBR region (i.e. on Qld’s east coast from Cape York south the Bundaberg, including inshore and offshore areas)? (*only continue if* ***yes***).

*Lets start…*

1. **What are the first words that come to mind when you think of the Great Barrier Reef?**

*Please* *list as many words as you like:*

 \_\_\_\_\_\_\_\_\_\_

1. **Are you a: licence owner – operator**

 licence owner but non-operator; OR

operator using someone else’s licence? *(circle one)*

Other *\_\_\_\_\_\_\_\_\_*

1. How long have you been in the commercial fishing industry? \_\_\_\_\_\_\_\_\_ *yrs*
2. **About** how many days in the previous 12 months were you operating in the GBR? days
3. **Where** is your home port (where you operate from, not necessarily where you live)? *(drop down list of major towns/ports – Cooktown down to Bundaberg please)*
4. **How** far, on average, do you travel from your home port? *That is: do you typically fish very close to your home port or do you tend to roam across the region?*

 very local to home port (i.e. <50km) close to my home port (50-100km)

 I roam quite some distance from my home port (>100km)

1. Do you use multiple ports? Y/N
2. Which fisheries do you operate in? *(: trawl – prawn, bugs, scallop, squid,* ***Crab*** *– mud, sand,* ***Harvest*** *- coral collection, aquarium fish, sea cucumber, rocklobster (crayfish),* ***Line*** *- Spanish mackerel, reef line;* ***Net*** *- inshore net, offshore net, shark ; other, Can select >1)*
3. **Which**fishery contributes the most to your income? *(drop down same: one only)*

**I would like to read out a list of statements about the Great Barrier Reef. Could you please rate your level of agreement or disagreement with each statement on a 10-point scale where 1 = Very Strongly Disagree, and 10 = Very Strongly Agree)**

|  |  |  |
| --- | --- | --- |
| **Statement:***(GBR = Great Barrier Reef)* | **Very Strongly** **DISAGREE**  | **Very Strongly****AGREE** |
| 1. I feel proud that the GBR is a World Heritage Area ..
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The GBR is a great asset for the economy of this region ......................................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The GBR is part of my identity .................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The GBR contributes to my quality of life and well-being ........................................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The aesthetic beauty of the GBR is outstanding ......
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I do not have fair access to the GBR compared to other user groups ....................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it supports a variety of life, such as fish and corals ............................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel confident that the GBR is well managed ........
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it supports a desirable and active way of life .......................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because we can learn about the environment through scientific discoveries ............
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel confident that the freshwater areas in my region are well managed ........
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it attracts people from all over the world .........................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR for the fresh seafood it provides .....
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel optimistic about the future of the GBR ..........
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I support the current rules and regulations that affect access and use of the GBR .............................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I couldn’t think of being anything other than a commercial fisher
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The fishing industry to me is not just a job – it is my lifestyle
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I am optimistic about the future of my business in the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. My business has not performed this year as well as last year
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |

1. **In general, would you consider yourself to be more traditional or progressive? Please rate yourself on the scale below:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1Traditional | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10Progressive |

1. **What do you think are the three (3) most serious threats to the Great Barrier Reef?**
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Again, please rate your level of agreement or disagreement with each statement on a 10 point scale. How strongly do you agree/disagree with each of the following….**

|  |  |  |
| --- | --- | --- |
| **Statement:***(GBR = Great Barrier Reef)* | **Very Strongly** **DISAGREE**  | **Very Strongly****AGREE** |
| 1. I would like to do more to help protect the GBR .....
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I would like to do more to improve water quality in my waterways (including rivers, creeks) .....
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I would not be personally affected if the health of the GBR declined .....................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I would like to learn more about the condition of the GBR ....................................................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Thinking about coral bleaching makes me feel depressed
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it is spiritually important to me
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I cannot make a personal difference in improving the health of the GBR .............................................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel like I can contribute to GBR management
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. It is not my responsibility to protect the GBR ..........
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel a social expectation to reduce any impact that I might have on the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I think enough is being done to effectively manage the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I have the necessary knowledge and skills to reduce any impact that I might have on the GBR .................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I do not have the time or opportunity required to reduce any impact that I might have on the GBR .....
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I am not worried about climate change impacts on the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I love that I live beside the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it inspires me in artistic or thoughtful ways
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I feel that future generations have been adequately considered in the management of the GBR
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it makes me feel better physically and/or mentally
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR simply because it exists
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because of its rich Traditional Owner Heritage
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it provides a place where people can continue to pass down wisdom, traditions and a way of life.
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I value the GBR because it is an important part of my culture.
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I support the current rules and regulations that affect access and use of freshwater areas (rivers and creeks) in my region
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. There is too much rubbish (e.g. plastics) on the beaches in my region
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I am worried about the status of freshwater fish in my region
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The coral reefs in my region are in good condition
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I like the colour/clarity of water along the beaches in my region
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The mangroves in my region are in good health
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The estuarine and marine fish in my region are in good condition
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The freshwater areas (e.g. rivers, creeks) in my region are not in good condition
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |

1. **Which of the following statements best describes your beliefs about climate change?** (*Please tick one box*)

 Climate change is an immediate threat requiring action.

 Climate change is a serious threat, but the impacts are too distant for immediate concern.

 I need more evidence to be convinced of the problem

 I believe that climate change is not a threat at all

 I do not have a view on climate change

**Section C.** In this section we would like to know a little more about you.

1. In what year were you born? 19\_\_\_\_\_\_
2. What is your current home postcode? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. For how many years have you lived in the Great Barrier Reef region? (i.e. all coastal areas between Cape York and Bundaberg)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (years)
4. Are you currently married or have a partner? Yes No
5. Do you have university or TAFE education (beyond high school)? Yes No
6. What proportion of your household income came from commercial fishing in the last financial year? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (%)
7. How many employees (full-time equivalents) did your operation employ over the previous 12 months? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Do you have insurance for your business assets? Yes No
9. Could you please indicate (approximately) your business turnover (entire revenue) for the past 12 months, in broad categories?
10. Do you mind telling me your business turnover (entire revenue), for the past 12 months, in broad categories? (read out)

 < $20 000 $100 000 to $200 000

 $20 000 to $60 000 $200 000 to $300 000

 $60 000 to $100 000 $300 000 to $500 000

  > $500 000

1. What is your gender? (try not to ask): Female Male Other
2. **In this section, we’d like to understand how you think about and manage your impact on the environment.**  Please tell me how strongly you agree or disagreement with each statement using the 10-point scale

|  |  |  |
| --- | --- | --- |
| 1. I make every effort to use energy efficiently in my business
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I rarely consider the environmental impact of the production process for goods and services that my business uses
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. I don’t usually make any extra effort to reduce the waste that my business generates
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. My business re-uses or recycles most goods and waste
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - | - 6 - - - 7 - - - 8 - - - 9 - - - 10 |

1. Does your business *(YES/NO)*
2. have fuel efficient engines Yes No
3. use an emissions calculator to plan your business operations Yes No
4. use Carbon offsets to counter emissions Yes No
5. have green energy, such as solar panels, for your vessel Yes No
6. use alternative fuels such as biodiesel and ethanol Yes No
7. participate in industry best practices via a code of practice Yes No
8. participate in GBRMPA’s Reef guardian fisher program Yes No
9. Contribute to any scientific monitoring programs Yes No

|  |  |
| --- | --- |
| 1. **On a scale of 1-10, how much do you trust the information you receive about the GBR from the following groups?**
 |  **Do not Trust****trust at all Very strongly** |
| 1. The Australian Government............................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The Queensland Government............................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Friends, and family, and/or work colleagues............................
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. The Great Barrier Reef Marine Park Authority (GBRMPA)
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Fisheries Queensland
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Scientists from research institutions (e.g. CSIRO, Universities)
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Industry groups (e.g. representing tourism, fisheries)
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Australian-based conservation NGOs (including NRM groups,...............................................................................
 |  1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. International conservation NGOs (e.g. Greenpeace, WWF)
 |  1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. News media journalists
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Social media commentators / bloggers
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| 1. Lobby groups (e.g. Get Up!)
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |

|  |  |
| --- | --- |
| 1. **On a scale of 1-10, how much do you rely on each of the following for news about your region and the world?**
 |  **Do not rely** **on this source at all Rely on his this source completely**  |
| * 1. **Local newspaper(s)**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **State/Regional newspaper(s)**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Magazine(s)**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Free-to-air television**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Pay TV**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Digital streaming services**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Local radio**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **National/regional radio**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Online discussion forums**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Facebook**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Twitter**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Instagram**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Snapchat**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Youtube**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **News media websites**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |
| * 1. **Word of mouth**
 | 1 - - - 2 - - - 3 - - - 4 - - - 5 - - - 6 - - - 7 - - - 8 - - - 9 - - - 10 |

***Thank you for your support for this research!***