

***AMBIO***

**Electronic Supplementary Material**

The role the Great Barrier Reef plays in resident wellbeing and implications for management

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This supplementary material has not been peer reviewed

**Supplementary Table S1. Characteristics of respondents (n=1546)**

<b>Characteristic</b>	<b>Percentage respondents</b>
Female	50.3
Single	22.6
Born in Australia	80.6
Born in QLD	51.3
Aborigine/Torres Strait Islander	6.6
Age:	
Under 40	27.8
40-60 years old	44.3
More than 60	28.1
Household size:	
One person	13.5
Two people	44.2
Three people	16.4
More than 3	25.9
Education levels:	
Primary	3.8
High school to year 10	20.2
High school to year 12	19.8
Trade	18.4
University	31.0
Sector of employment:	
Retail, Accommodation, Cafes, Tourism	12.7
Government, Health and Education	26.5
Agriculture	22.4
Mining, Manufacturing and Ports	31.0
Fishing	7.4
Annual household income:	
Under 60,000 A\$	21.7
60-100,000 A\$	30.4
Over 100,000 A\$	39.0
NRM region:	
Torres Strait and Wet Tropics	26.9
Burdekin	26.1
Mackay Whitsunday	20.8
Fitzroy and south	26.2
Recreational fisher(wo)men	46.6

Supplementary Table S2. SUR MODEL RESULTS: Importance																		
Variables	Tourism industry	Comm Fishing	Mining/ Agriculture	Cheap shipping	Future generation	Seafood	Fishing	Times beach	Boating	Indigenous	Bragging rights	Underdev beaches	No rubbish	Coral reefs	Iconic species	Clear ocean	Mangroves	Reef fish
	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)
Intercept	0.93*** (0.291)			0.89*** (0.303)	1.82*** (0.200)	0.96*** (0.089)	0.81***	1.12*** (0.231)	0.92*** (0.316)		0.76** (0.344)	0.95*** (0.235)	1.93*** (0.146)	1.85*** (0.155)	1.93*** (0.172)	1.79*** (0.170)	1.75*** (0.165)	1.65*** (0.144)
Male					-0.21*** (0.055)	-0.11* (0.062)	0.34*** (0.093)	-0.14** (0.063)	0.23*** (0.087)	-0.37*** (0.083)	-0.21** (0.094)	-0.21*** (0.064)	-0.09** (0.040)	-0.14*** (0.042)	-0.15*** (0.047)	-0.18*** (0.046)	-0.13*** (0.045)	-0.13*** (0.039)
Single		-0.21** (0.106)	-0.21* (0.110)				0.21* (0.121)			0.37*** (0.109)	0.36*** (0.123)							
Age					-0.004** (0.002)	0.01*** (0.002)			-0.01* (0.003)		-0.01** (0.003)			-0.003* (0.001)	-0.01*** (0.001)	-0.004** (0.001)		
Born QLD			0.17** (0.085)				0.22** (0.094)			-0.26*** (0.085)			-0.08* (0.040)			-0.09* (0.047)		
Indigenous			-0.49** (0.188)							0.75*** (0.186)				0.15* (0.095)		0.17* (0.104)	0.21** (0.101)	0.17** (0.088)
Education			-0.09** (0.037)	-0.11*** (0.036)			-0.19*** (0.040)		-0.07* (0.038)	0.08** (0.036)								0.03* (0.017)
Household Income			0.000002** (0.000)			0.000002** (0.000)		0.000001* (0.000)			-0.000002** (0.000)							
Household size												0.07*** (0.025)						
Fishing inc main source	1.05*** (0.156)						0.30* (0.094)	0.278** (0.124)	0.56*** (0.169)	0.31* (0.163)		0.21* (0.126)				0.15* (0.091)		
Mining, Manufacturing & Ports inc main source			0.61*** (0.109)			0.13* (0.081)	0.32*** (0.121)	0.137* (0.082)	0.31*** (0.113)									
Agriculture & Forestry inc main source																		
Retail; Accommod, cafes & restaurants; & Tourism income main source				0.28** (0.131)				0.196** (0.231)			0.338** (0.344)							
N	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830	830
Breusch-Pagan test of independence: chi2	18276.8***																	
AIC	30624.05																	
BIC	31728.8																	

\* significant at 10% level  
\*\* significant at 5% level  
\*\*\* significant at 1% level

Supplementary Table S3. SUR MODEL RESULTS: Satisfaction (system of 18 equations)																		
Variables	Tourism industry	Comm Fishing	Mining/ Agriculture	Cheap shipping	Future generation	Seafood	Fishing	Times beach	Boating	Indigenous	Bragging rights	Underdev beaches	No rubbish	Coral reefs	Iconic species	Clear ocean	Mangroves	Reef fish
	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)	coeff (se)
Intercept								0.81*** (0.303)			0.55* (0.297)							0.94*** (0.354)
Male								-0.21** (0.083)										
Single								0.21** (0.103)	0.27** (0.107)	0.23** (0.108)								
Age					0.01* (0.004)													
Born QLD							0.18* (0.095)											
Indigenous												-0.37** (0.187)			-0.36* (0.211)			
Education					-0.12** (0.050)									-0.09** (0.045)	-0.10** (0.046)		-0.11** (0.044)	-0.08* (0.043)
Household Income			0.000002* (0.000)															
Household size									0.08** (0.035)						0.07* (0.042)			0.08* (0.040)
Fishing inc main source	0.37** (0.148)								0.52*** (0.159)		0.46*** (0.151)	0.29* (0.166)	0.57*** (0.193)	0.35* (0.183)	0.52*** (0.187)	0.42** (0.173)	0.46*** (0.179)	0.38** (0.179)
Mining, Manufacturing & Ports inc main source			0.42*** (0.127)						0.24** (0.116)							0.27** (0.126)	0.22* (0.130)	
Agriculture & Forestry income main source																		
Retail, Accom, cafes & restaurants; & Tourism inc main source			0.32** (0.138)	0.25** (0.289)														
N	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471	471
Breusch-Pagan test of independence: chi2	12084.8***																	
AIC	18708.8																	
BIC	19681.1																	

\* significant at 10% level  
\*\* significant at 5% level  
\*\*\* significant at 1% level