



National Environmental  
Research Program

TROPICAL ECOSYSTEMS *hub*

Interim Report

## The Social and Economic Long Term Monitoring Program (SELTMP) 2013

### Coastal Communities in the Great Barrier Reef



Erin Bohensky, Nadine Marshall, Matt Curnock, Sarah Gillet, Jeremy Goldberg,  
Margaret Gooch, Petina Pert, Lea Scherl, Samantha Stone-Jovicich and Renae Tobin



GREAT BARRIER REEF  
*foundation*



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# **The Social and Economic Long Term Monitoring Program (SELTMP) 2013 Coastal Communities in the Great Barrier Reef**

Erin Bohensky<sup>1</sup>, Nadine Marshall<sup>1</sup>, Matt Curnock<sup>1</sup>, Sarah Gillet<sup>1</sup>, Jeremy Goldberg<sup>1,2</sup>,  
Margaret Gooch<sup>3</sup>, Petina Pert<sup>1,4</sup>, Lea Scherl<sup>5</sup>, Samantha Stone-Jovicich<sup>1</sup> and Renae Tobin<sup>4</sup>

<sup>1</sup>CSIRO Ecosystem Sciences / Wealth from Oceans Flagship;

<sup>2</sup>School of Business, James Cook University; <sup>3</sup>Great Barrier Reef Marine Park Authority;

<sup>4</sup>School of Earth and Environmental Sciences, James Cook University;

<sup>5</sup>NQ Dry Tropics NRM



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# SELTMP 2013: COASTAL COMMUNITIES IN THE GREAT BARRIER REEF

## Introduction

This chapter is focused on relationships between coastal communities and the Great Barrier Reef (GBR); it concerns people as well as organisations and businesses that make up these communities. Coastal communities and the GBR have a mutually beneficial relationship: communities benefit from their proximity to the GBR, allowing easy access and a sense of connection to reef ecosystems. In deriving benefits from the GBR, these communities also have impacts on the reef, some of which are negative.

However, coastal residents and organisations are often best-placed to serve as the GBR's custodians, due to their knowledge of and identification with the reef. These varied relationships are underpinned by community perceptions and motivations, as well as various drivers of change that are both internal and external to the community. Here we focus on the web of human-reef relationships that are not unique to a particular end-user group, but rather to the community at large, such as conservation and stewardship, impacts, values and aspirations, and underlying perceptions and motivations. Hence, this report provides a regional community context for survey data to be shown in other reports in this series.

Communities can be defined in a number of ways. They may share a locality, a sense of belonging, or a social network (Taylor 2003; Blackshaw 2010). They may be defined by a minimum population number or extent of services or urbanisation. Communities may not be static; numbers may ebb and flow with seasons or economic opportunities. For this report, we take a broad view of coastal communities, and define a coastal community as a Local Government Area (LGA) adjacent to the Great Barrier Reef. We chose this definition as LGAs are the analytical unit used by Australian Bureau of Statistics which is the source of some data needed to monitor coastal communities as well as by other agencies and research initiatives. There are some exceptions, such as where data are available at a different scale, or only for specific LGAs, and we will endeavour to supplement this data when new sources and updates become available.

# SELTMP 2013: COASTAL COMMUNITIES

## Analytical unit and location

Much of the data in this chapter is presented for Local Government Areas (LGA).

**18 coastal LGAs** are included in this report:

Torres Shire Council  
Cook Shire Council  
Lockhart River Aboriginal Shire Council  
Hope Vale Aboriginal Shire Council  
Wujal Wujal Aboriginal Shire Council  
Cairns Regional Council  
Yarrabah Aboriginal Shire Council  
Cassowary Coast Regional Council  
Hinchinbrook Shire Council  
Palm Island Aboriginal Shire Council  
Townsville City Council  
Burdekin Shire Council  
Whitsunday Regional Council  
Mackay Regional Council  
Isaac Regional Council  
Rockhampton Regional Council  
Gladstone Regional Council  
Bundaberg Regional Council

**Total Area:**  
**258,092**  
**km<sup>2</sup>**  
**14.9% of**  
**QLD**



Figure 1. Local Government Areas included in this report.

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Age and Gender

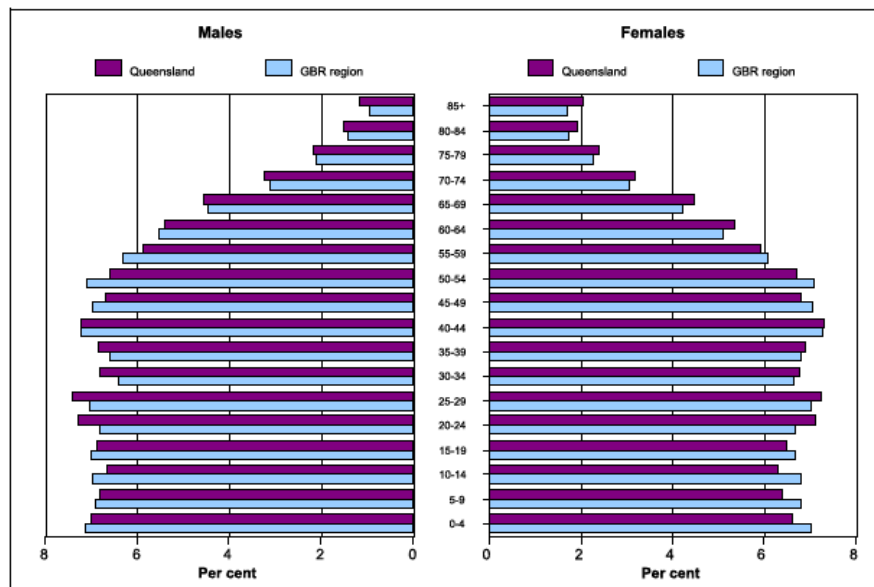


Figure 2. Population by age group and sex for GBR region and Queensland as at 30 June 2012. Ref: ABS, Population by Age and Sex, Regions of Australia 2012.

Youngest: Yarrabah (22.9)  
 Oldest: Hinchinbrook (46.4)  
 Highest % Indigenous: Yarrabah (97.1)  
 Lowest % Indigenous: Gladstone (3.5)

### Age (total and %)

0-14: 192,936 (20.8)  
 15-24: 125,777 (13.6)  
 25-44: 255,050 (27.5)  
 45-64: 237,475 (25.6)  
 65+: 116,013 (12.5)

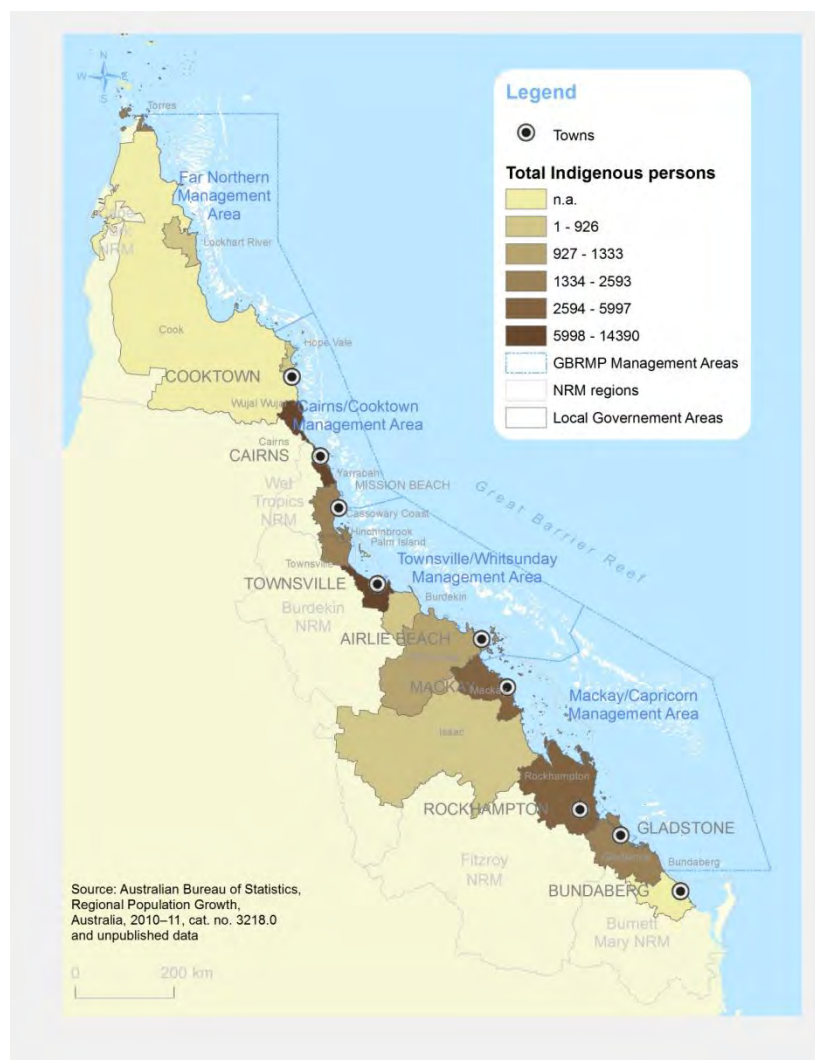
### Median Age and Change (2007-2012), (%)

Torres: 28.2 (1.4)  
 Cook: 37.4 (-2.6)  
 Lockhart River: 27.8 (2.0)  
 Hope Vale: 25.6 (0.0)  
 Wujal Wujal: 24.1 (-2.9)  
 Cairns: 36.3 (1.0)  
 Yarrabah: 22.9 (1.9)  
 Cassowary Cst: 42.4 (1.8)  
 Hinchinbrook: 46.4 (2.5)  
 Palm Island: 25.3 (2.8)  
 Townsville: 33.1 (0.2)  
 Burdekin: 40.9 (0.8)  
 Whitsunday: 37.4 (0.0)  
 Mackay: 35.6 (-0.1)  
 Isaac: 31.7 (0.4)  
 Rockhampton: 36.8 (0.2)  
 Gladstone: 35.1 (0.2)  
 Bundaberg: 43.2 (1.6)

Ref: ABS 2012

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Indigenous Population



### Indigenous population (%)

Aboriginal:	35,134
TSI:	10,274
Both:	6,326
Total:	51,734 (7.3%)

### Total indigenous persons (%)

Torres:	2,063 (63.3)
Cook:	n.a.*
Lockhart River:	430 (89.0)
Hope Vale:	926 (94.1)
Wujal Wujal:	252 (93.7)
Cairns:	14,390 (9.2)
Yarrabah:	2,339 (97.1)
Cassowary Cst:	2,593 (9.4)
Hinchinbrook:	654 (5.7)
Palm Island:	2,201 (94.2)
Townsville:	10,703 (6.1)
Burdekin:	892 (5.1)
Whitsunday:	1,333 (4.2)
Mackay:	4,912 (4.4)
Isaac:	604 (2.7)
Rockhampton:	5,997 (5.5)
Gladstone:	2,049 (3.5)
Bundaberg:	n.a.*

Ref: ABS 2011; Figure 3.\* For these LGAs, data for this and other variables were not obtainable through QLD Regional Profiles at time of data collection.

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Resident population

### Resident population

**Region:** **909,422**  
(20.3% of QLD)

Torres:	3,475
Cook:	4,432
Lockhart River:	527
Hope Vale:	1,068
Wujal Wujal:	291
Cairns:	165,388
Yarrabah:	2,587
Cassowary Cst:	28,693
Hinchinbrook:	11,769
Palm Island:	2,570
Townsville:	184,526
Burdekin:	17,914
Whitsunday:	33,324
Mackay:	119,081
Isaac:	23,678
Rockhampton:	115,419
Gladstone:	61,267
Bundaberg:	93,348

Ref: ABS 2012 (2)

### Population density (persons/km<sup>2</sup>)

**Region:** **8.45**

Torres:	4.07
Cook:	n.a.
Lockhart River:	0.15
Hope Vale:	0.97
Wujal Wujal:	26.07
Cairns:	39.41
Yarrabah:	17.23
Cassowary Cst:	6.09
Hinchinbrook:	4.22
Palm Island:	37.39
Townsville:	48.25
Burdekin:	3.52
Whitsunday:	1.36
Mackay:	15.18
Isaac:	0.39
Rockhampton:	6.12
Gladstone:	5.66
Bundaberg:	n.a.

Ref: ABS 2011 (3); Figure 4.

Smallest: Wujal Wujal (291)

Largest: Townsville (184,526)

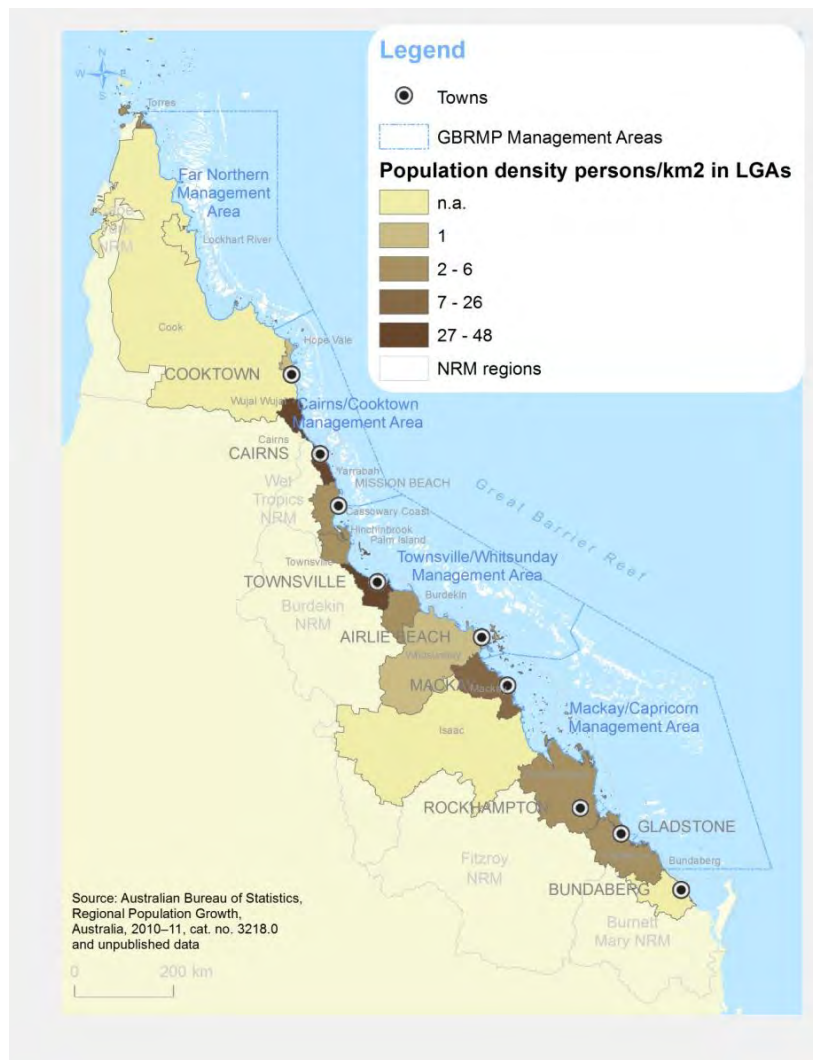
Least densely populated: Lockhart River (0.15)

Most densely populated: Townsville (48.25)

SELTMP 2013 - COASTAL COMMUNITIES

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Population density



### Coastal urban centers

Urban centres (population > 200) adjacent to the GBR coast: 72

Ref: GBRMPA Outlook Report 2009

### Percent urban

Coastal LGAs considered to be at least small urban regional towns/cities: 50%

Ref: DLGP 2011b

Figure 4. Population density per km2, by Local Government Area.

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Non-Resident Population

### Non-resident workers

Number of people working in LGA with place of usual residence in a state other than QLD:

Torres:	28
Cook:	53
Lockhart River:	0
Hope Vale:	0
Wujal Wujal:	0
Cairns:	349
Yarrabah:	0
Cassowary Cst:	70
Hinchinbrook:	22
Palm Island:	0
Townsville:	306
Burdekin:	22
Whitsunday:	246
Mackay:	261
Isaac :	504
Rockhampton:	145
Gladstone:	269
Bundaberg:	75

Number of people working in LGA with place of usual residence in a different LGA:

Torres:	158
Cook:	843
Lockhart River:	9
Hope Vale :	67
Wujal Wujal:	31
Cairns:	2190
Yarrabah:	130
Cassowary Cst:	803
Hinchinbrook:	206
Palm Island:	68
Townsville:	1417
Burdekin:	379
Whitsunday:	1317
Mackay:	1554
Isaac :	9558
Rockhampton:	1128
Gladstone:	1281
Bundaberg:	661

Ref: 2011 Census of Population and Housing

### Fly-in fly-out workers

Cape York + Wet	
Tropics	19
Burdekin	41
Mackay-Whitsundays	44
Fitzroy	37
Burnett-Mary	20
Grand Total	161

Ref: SELTMP Residents Survey 2013

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Population change

### Average annual population growth rate

2007-2012:	1.5
2011-2012:	1.4

#### 2011-2012 (%)

Torres:	-0.1
Cook:	0.5
Lockhart River:	1.3
Hope Vale:	1.5
Wujal Wujal:	1.4
Cairns:	2.0
Yarrabah:	-0.3
Cassowary Cst:	0.2
Hinchinbrook:	-0.4
Palm Island:	1.3
Townsville:	2.4
Burdekin:	0.8
Whitsunday :	2.8
Mackay:	2.7
Isaac:	2.1
Rockhampton:	2.7
Gladstone:	3.0
Bundaberg:	1.4

Ref: ABS 2012

### Population projections to 2031

2016:	863,759
2021:	953,315
2026:	1,043,958
2031:	1,135,217
Average annual growth rate, 2011-2031: 1.9%	

#### Average annual growth rate, 2011-2031 (%)

Torres:	0.7
Cook:	n.a.
Lockhart River:	0.9
Hope Vale:	0.4
Wujal Wujal:	0.9
Cairns:	1.7
Yarrabah:	1.4
Cassowary Cst:	0.5
Hinchinbrook:	0.3
Palm Island:	1.4
Burdekin:	0.2
Whitsunday:	2.2
Mackay:	2.2
Isaac:	2.3
Rockhampton:	1.6
Gladstone:	2.9
Bundaberg:	n.a.

Ref: QLD Govt 2011 (2)

### Natural increase

**Region:** 7,960

Torres:	66
Cook:	55
Lockhart River:	2
Hope Vale :	2
Wujal Wujal :	-3
Cairns:	1,665
Yarrabah:	76
Cassowary Cst:	187
Hinchinbrook :	4
Palm Island:	20
Townsville:	1,966
Burdekin:	92
Whitsunday :	234
Mackay:	1,119
Isaac :	382
Rockhampton :	832
Gladstone:	638
Bundaberg:	312

Ref: ABS 2011

### Assumed net migration

**Region:** -777

Torres:	-74
Cook:	219
Lockhart River:	-34
Hope Vale :	39
Wujal Wujal :	-7
Cairns:	-401
Yarrabah:	-59
Cassowary Cst:	-591
Hinchinbrook :	-79
Palm Island:	95
Townsville:	442
Burdekin:	-235
Whitsunday :	-193
Mackay:	315
Isaac :	-5
Rockhampton :	-388
Gladstone:	711
Bundaberg:	-346

Ref: ABS 2011

Highest growth rate: Gladstone (3%)

Lowest growth rate: Hinchinbrook (-0.4%)

Largest natural increase: Townsville(+ 1,966 persons )

Largest decrease in assumed net migration: Cassowary Coast (- 591 persons)

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Population mobility, country of origin, and family composition

### Change of address 1 Year Ago

Same address: 522,031  
 Different address within Australia: 119,381  
 Overseas: 7,567  
 Total with different address: 128,755 (18.4%)

#### Proportion with different address

Torres:	16.9%
Cook:	n.a.
Lockhart River:	9.0%
Hope Vale:	7.0%
Wujal Wujal:	7.5%
Cairns:	20%
Yarrabah:	5.8%
Cassowary Cst:	15%
Hinchinbrook:	11.5%
Palm Island:	5.1%
Townsville:	20%
Burdekin:	12%
Whitsunday:	19.9%
Mackay:	17.6%
Isaac:	25.3%
Rockhampton:	17%
Gladstone:	19.6%
Bundaberg:	n.a.

Ref: ABS 2011 (5); Figure 5

### Change of address 5 Years Ago

Same address: 313,742  
 Different address within Australia: 260,272  
 Overseas: 26,452  
 Total with different address: 291,292 (44.3%)

#### Proportion with different address

Torres:	39.8%
Cook:	n.a.
Lockhart River:	13.8%
Hope Vale:	12%
Wujal Wujal:	12.1%
Cairns:	47.7%
Yarrabah:	8.9%
Cassowary Cst:	35.9%
Hinchinbrook:	29.3%
Palm Island:	9.6%
Townsville:	47.8%
Burdekin:	32%
Whitsunday:	43.7%
Mackay:	43.9%
Isaac:	52.5%
Rockhampton:	42.0%
Gladstone:	45.4%
Bundaberg:	n.a.

Ref: ABS 2011 (5); Figure 6

### Country of birth (%)

Australia:	560,886(79.2)
English-Speaking Background (ESB) Countries:	51,121 (7.2)
Non-ESB Countries:	45,203 (6.4)
Total born overseas:	96,324 (13.6)

#### Total born overseas

Torres:	238 (7.3)
Cook:	n.a.
Lockhart River:	0 (0)
Hope Vale:	0 (0)
Wujal Wujal:	0 (0)
Cairns:	31,597 (20.2)
Yarrabah:	0 (0)
Cassowary Cst:	3,671 (13.3)
Hinchinbrook:	1,225 (10.6)
Palm Island:	0 (0)
Townsville:	23,181 (13.3)
Burdekin:	1,458 (8.4)
Whitsunday:	4,438 (14.1)
Mackay:	13,243 (11.7)
Isaac:	2,232 (9.9)
Rockhampton:	10,088 (9.2)
Gladstone:	7,185 (12.4)
Bundaberg:	n.a.

Ref: ABS 2011; Figure 7

### Family composition (%)

Couple no children:	72,624 (39.3%)
Couple with children:	79,146 (42.9%)
One-parent family:	30,072 (16.3%)
Total families:	184,659

#### Total families

Torres:	673
Cook:	n.a.
Lockhart River:	103
Hope Vale:	223
Wujal Wujal:	70
Cairns City:	40,236
Yarrabah:	524
Cassowary Cst:	7,448
Hinchinbrook:	3,221
Palm Island:	443
Townsville:	45,319
Burdekin:	4,754
Whitsunday:	7,720
Mackay:	30,169
Isaac:	5,258
Rockhampton:	28,537
Gladstone:	15,219
Bundaberg:	n.a.

Ref: ABS 2011

Highest % born overseas: Cairns (20.2 %)  
 Most mobile in past 5 yrs: Isaac (52.5%)  
 Least mobile in past 5 yrs: Yarrabah (8.9%)

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Population mobility

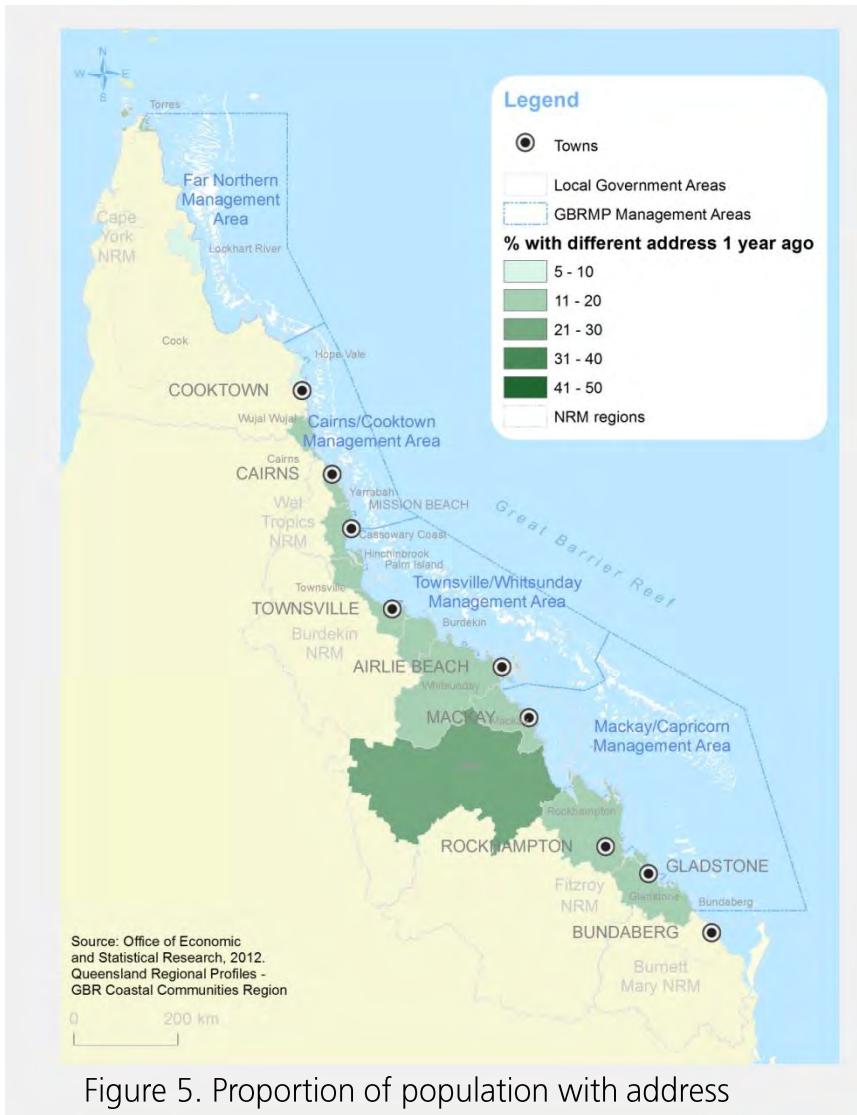


Figure 5. Proportion of population with address change within past year.

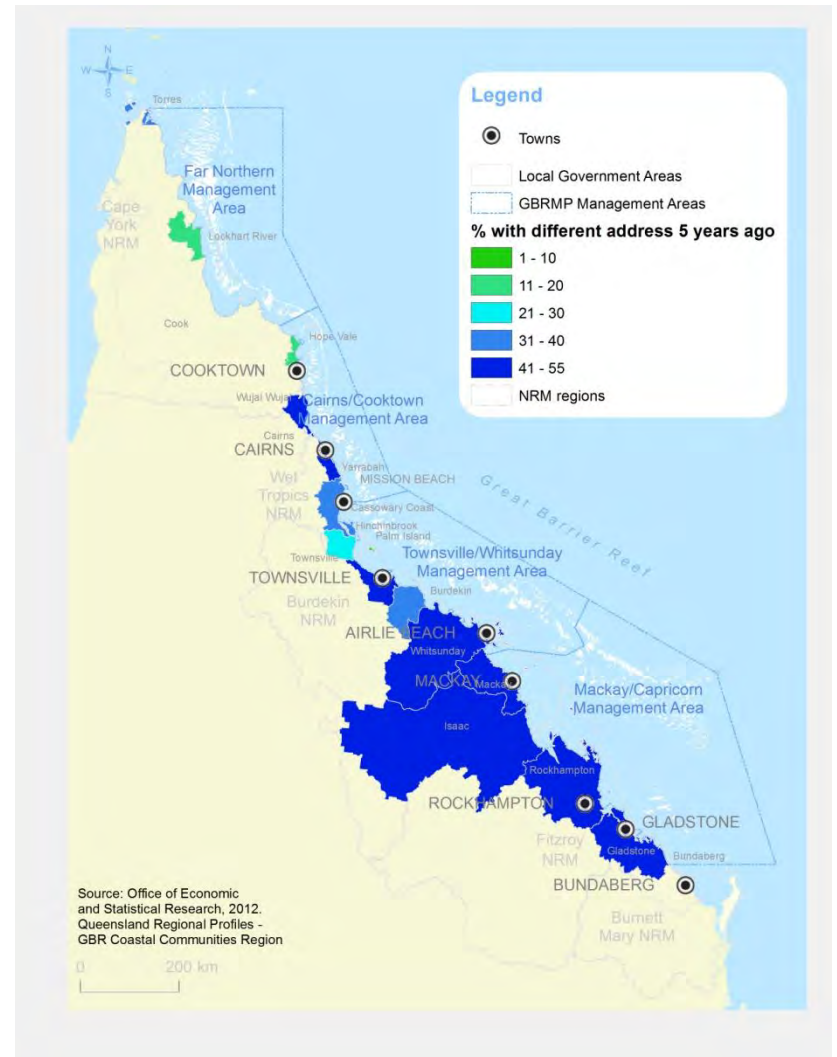


Figure 6. Proportion of population with address change within past 5 years.

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Education and language

### Number of schools in LGA

Torres:	2
Cook:	n.a.
Lockhart River:	1
Hope Vale:	1
Wujal Wujal:	0
Cairns:	58
Yarrabah:	1
Cassowary Cst:	27
Hinchinbrook:	18
Palm Island:	2
Townsville:	60
Burdekin:	19
Whitsunday:	17
Mackay:	55
Isaac:	19
Rockhampton:	58
Gladstone:	32
Bundaberg:	n.a.

Ref: Department of Education in ABS 2011

### Highest level of schooling (%)

Year 8 or below (7): 38,318 (7.2)  
 Year 9 or 10 or equivalent: 173,294 (32.4)  
 Year 11 or 12 or equivalent: 268,223 (50.1)

#### Year 11 or 12 or equivalent

Torres:	1,149 (53.4)
Cook:	n.a.
Lockhart River:	125 (36.9)
Hope Vale:	279 (41.6)
Wujal Wujal:	89 (43.2)
Cairns :	65,953 (56.2)
Yarrabah:	605 (39.9)
Cassowary Cst:	9,090 (42.4)
Hinchinbrook:	3,646 (40.1)
Palm Island:	573 (36.8)
Townsville:	72,659 (55.1)
Burdekin:	5,113 (38.7)
Whitsunday:	11,091 (44.6)
Mackay:	39,777 (46.6)
Isaac:	8,202 (50.2)
Rockhampton:	37,333 (45.1)
Gladstone:	20,741 (48.3)
Bundaberg:	n.a.

Ref: ABS 2011; Figure 9

### Post-school Qualification

Bachelor degree or higher: 64,085  
 Advanced diploma or diploma: 34,706  
 Certificate: 125,113  
 Persons with a qualification: 293,406 (52.6)

#### Persons with a qualification

Torres:	1,293 (56.6)
Cook:	n.a.
Lockhart River:	153 (43.5)
Hope Vale:	292 (42.4)
Wujal Wujal:	62 (29.2)
Cairns:	70,111 (57.3)
Yarrabah:	399 (25.2)
Cassowary Coast:	10,432 (46.9)
Hinchinbrook:	4,139 (43.5)
Palm Island:	440 (27.5)
Townsville:	73,995 (53.8)
Burdekin:	5,915 (43.0)
Whitsunday:	13,659 (53.3)
Mackay:	45,751 (51.5)
Isaac:	9,269 (54.9)
Rockhampton:	43,189 (49.9)
Gladstone:	23,576 (52.8)
Bundaberg:	n.a.

Ref: ABS 2011 (8); Figure 10

### Proficiency in Spoken English:

Speaks English only: 63,808 (66.2%)  
 Speaks other language at home (total): 32,208 (33.4%)  
 Speaks other language at home and speaks English...  
 ...very well or well: 27,315 (28.4%)  
 ...not well or not at all: 4,499 (4.7%)

#### Speaks other language at home (%)

Torres:	92 (37.9)
Cook:	n.a.
Lockhart River:	0 (0)
Hope Vale:	0 (0)
Wujal Wujal:	
Cairns:	11,121 (35.2)
Yarrabah:	0 (0)
Cassowary Cst:	1,559 (42.5)
Hinchinbrook:	581 (47.5)
Palm Island:	0 (0)
Townsville:	7,514 (32.4)
Burdekin:	675 (46.2)
Whitsunday:	1,158 (26.1)
Mackay:	4,109 (31)
Isaac:	693 (31.0)
Rockhampton:	3,503 (34.7)
Gladstone:	1,896 (26.4)
Bundaberg:	n.a.

Ref: ABS 2011; Figure 8

Highest % with Year 11 or 12: Cairns (56.2%)  
 Highest % with Post-School Qual: Cairns (57.3%)  
 Highest % speaking another language at home:  
 Burdekin: (46.2% )

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Country of origin and language

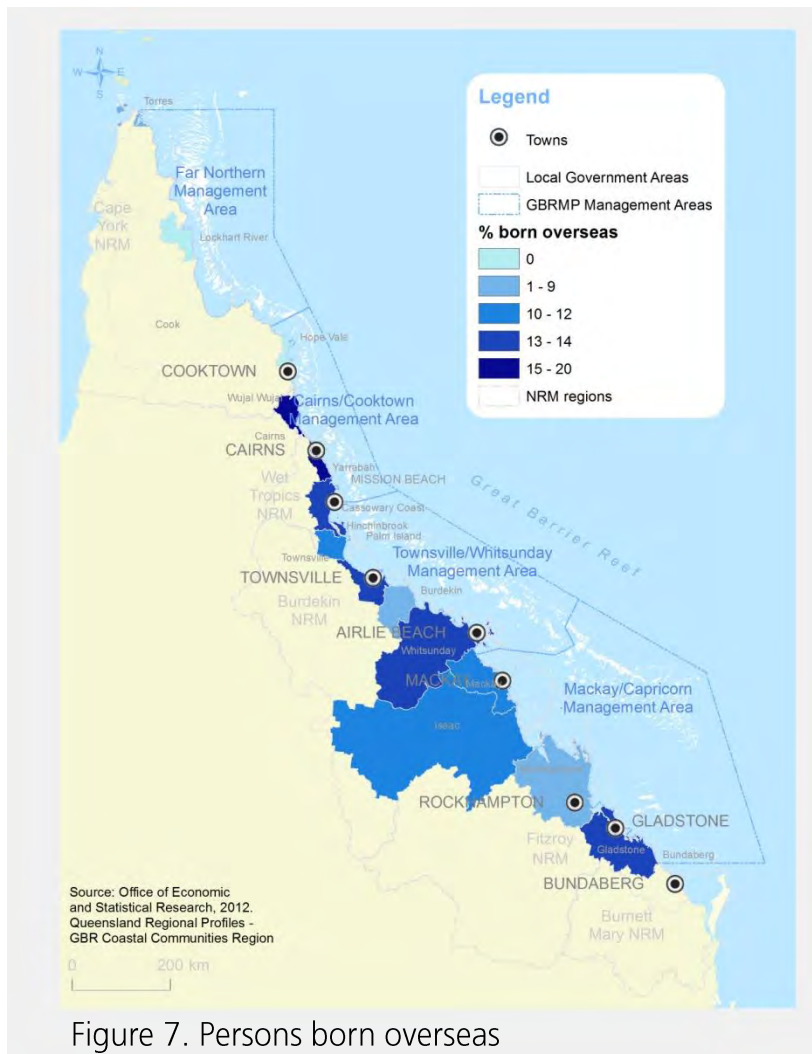


Figure 7. Persons born overseas

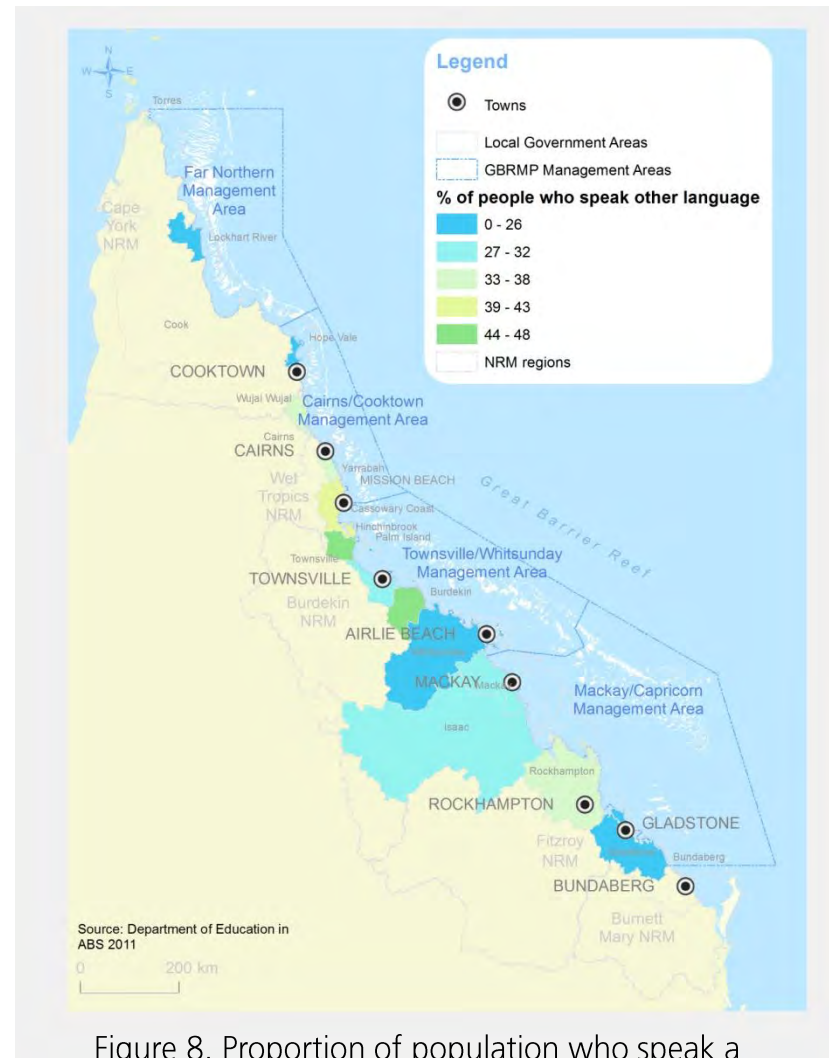


Figure 8. Proportion of population who speak a language other than English at home

# SELTMP 2013: COASTAL COMMUNITIES

## Demographics: Education

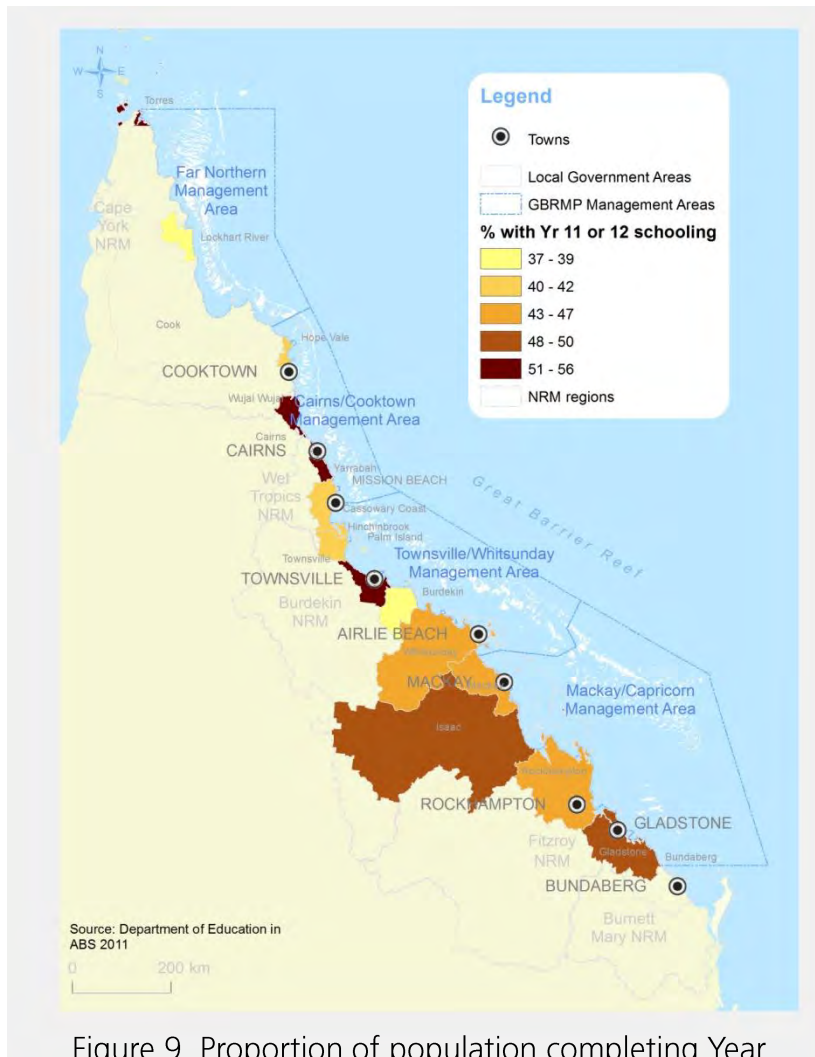


Figure 9. Proportion of population completing Year 11 or 12 or equivalent.

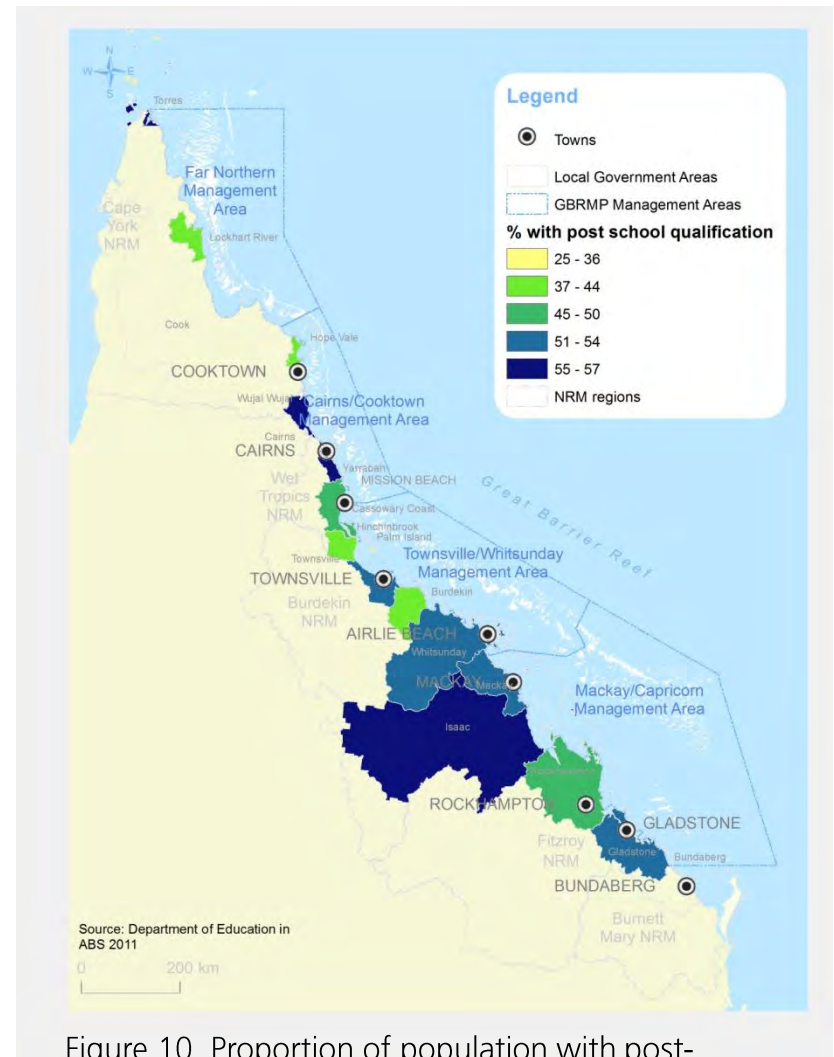


Figure 10. Proportion of population with post-school qualification.

# SELTMP 2013: COASTAL COMMUNITIES

## Employment by industry

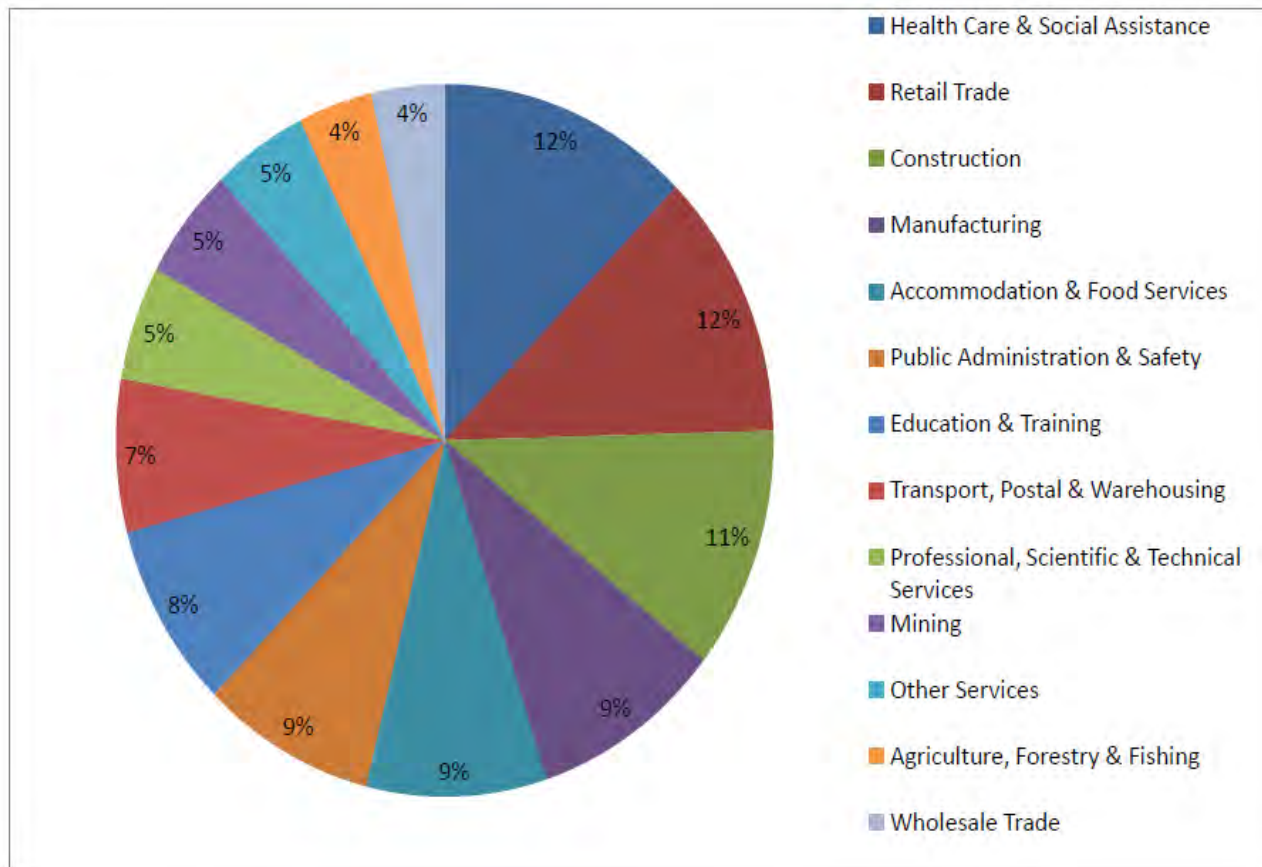


Figure 11. Employment by industry. Only industries with >10,000 employees are shown. Not shown: Administrative & Support Services (2.9%), Administrative & Support Services (1.7%), Electricity, Gas, Water & Waste Services (1.5%), Financial & Insurance Services (1.5%), Arts & Recreation Services (1.1%) and Information Media & Telecommunications (0.9%). Ref: ABS 2011.

# SELTMP 2013: COASTAL COMMUNITIES

## Income and Employment

### Median Total Household Income (\$/week)

Torres:	1579
Cook:	n.a.
Lockhart River:	1140
Hope Vale:	895
Wujal Wujal:	942
Cairns:	1145
Yarrabah:	1015
Cassowary Cst:	931
Hinchinbrook:	917
Palm Island:	1181
Townsville:	1381
Burdekin:	1009
Whitsunday:	1165
Mackay:	1578
Isaac:	2579
Rockhampton:	1166
Gladstone:	1724
Bundaberg:	n.a.

Ref: ABS, Census of Population and Housing, 2011, Basic Community Profile - B02; Figure 12.

### Sources of personal income (\$)

Wage and salary:	45,724
Unincorporated business:	16,844
Investment:	5993
Other:	5747

Ref: ABS 2008-9 (3)

### Gross Individual Weekly income (%)

<\$400:	177,898 (31.9)
\$400-\$999:	174,141 (31.2)
\$1000-\$1999:	116,948 (21.0)
>:\$2000:	32,675 (5.9)

Ref: ABS 2011

### Employment by Occupation (%)

Technicians & trade workers:	60,767 (17.8)
Professionals:	51,550 (15.1)
Clerical & administrative workers:	45,514 (13.3)
Labourers:	39,517 (11.6)
Managers:	36,919 (10.8)
Professionals:	51,550 (15.1)
Community & personal service workers:	35,204 (10.3)
Sales workers:	32,074 (9.4)
Machinery operators & drivers:	33,027 (9.7)

Ref: ABS 2011

Highest median weekly household income: Isaac (\$2579)

Lowest: Hope Vale (\$895)

# SELTMP 2013: COASTAL COMMUNITIES

## Unemployment and Socio-economic Disadvantage

### Unemployment & Labour Force

Unemployed: 32,349  
In Labour Force: 518,656  
Unemployment Rate: 6.2%

#### Unemployment Rate (%)

Torres:	10.2
Cook:	16.8
Lockhart River:	15.6
Hope Vale :	17.2
Wujal Wujal:	17.3
Cairns:	7.6
Yarrabah:	15.7
Cassowary Cst:	6.9
Hinchinbrook:	4.6
Palm Island:	9.4
Townsville:	4.4
Burdekin:	3.9
Whitsunday :	7.6
Mackay:	4.5
Isaac :	1.5
Rockhampton :	7.5
Gladstone:	4.4
Bundaberg:	8.6

Ref: DEEWR, various editions (4); Figure 13

### Socio-Economic Index of Disadvantage (SEIFA)

Quintile 1 (most disadvantaged): 24.3  
Quintile 2: 24.2  
Quintile 3: 21.2  
Quintile 4: 17.1  
Quintile 5: 13.1

#### Rank (decile)

Torres:	87 (2)
Cook:	66 (2)
Lockhart River:	24 (1)
Hope Vale:	21 (1)
Wujal Wujal:	23 (1)
Cairns:	322 (6)
Yarrabah:	1 (1)
Cassowary Cst:	123(3)
Hinchinbrook:	204 (4)
Palm Island:	11 (1)
Townsville:	415 (8)
Burdekin:	208 (4)
Whitsunday:	283 (6)
Mackay:	424 (8)
Isaac:	466 (9)
Rockhampton:	282 (5)
Gladstone:	423 (8)
Bundaberg:	102 (2)

Ref: ABS 2006; Figure 19

Highest unemployment: Wujal Wujal (17.2%)

Lowest unemployment: Isaac (1.5%)

Least disadvantaged: Isaac (Rank 466, decile 9)



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# SELTMP 2013: COASTAL COMMUNITIES

## Income and unemployment

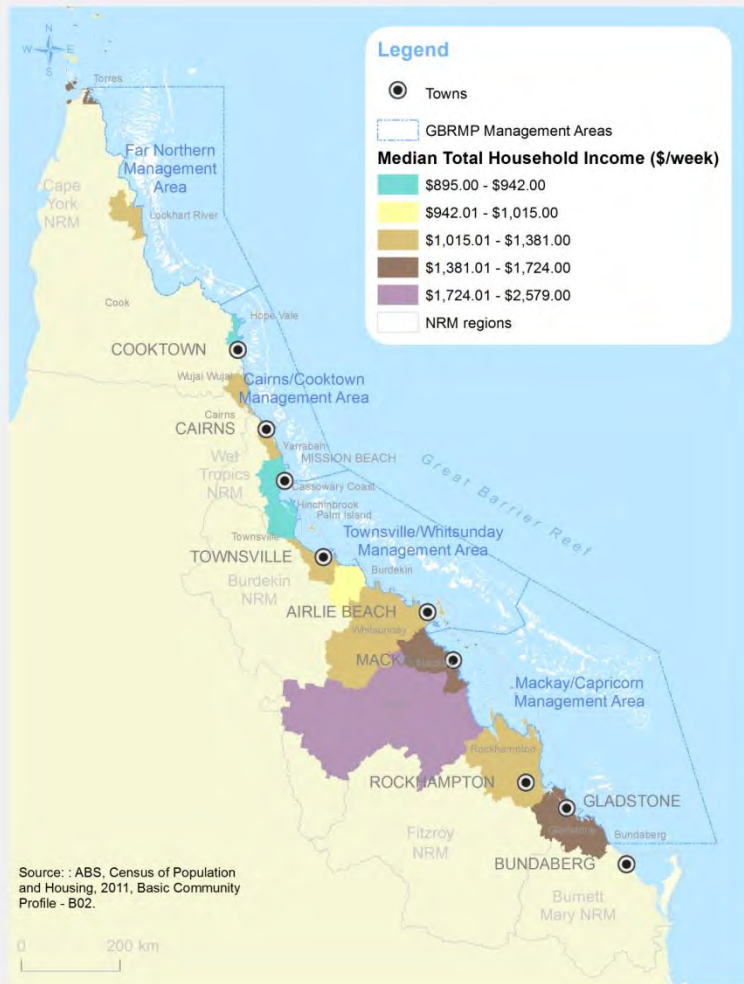


Figure 12. Median total household income.

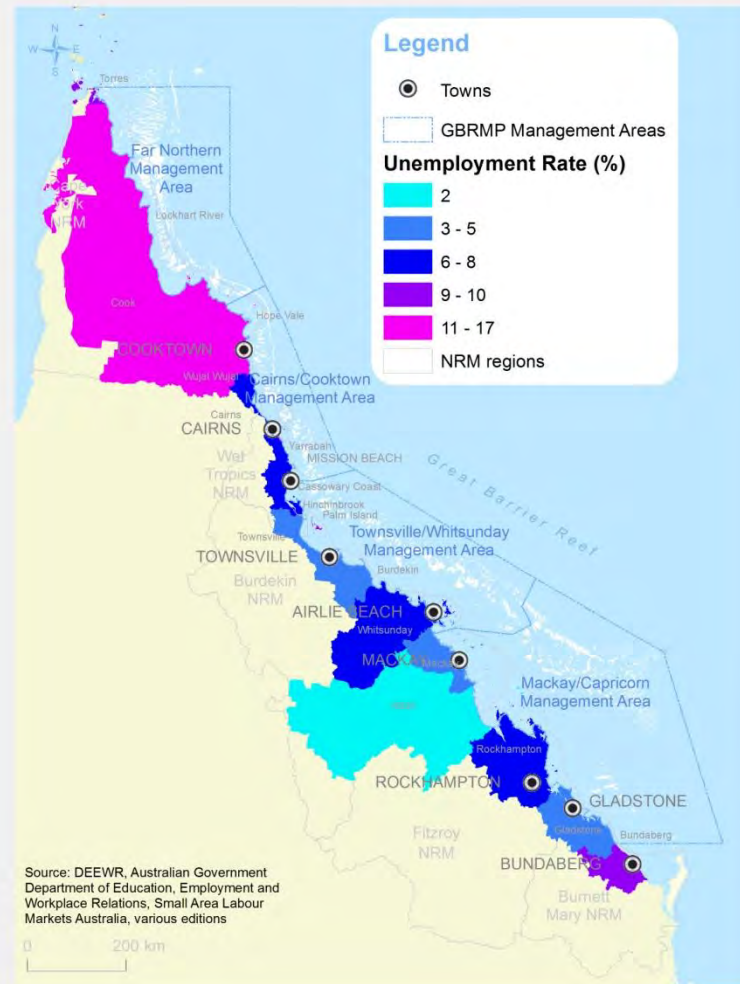


Figure 13. Unemployment rate.



# SELTMP 2013: COASTAL COMMUNITIES

## Housing

### Dwellings by tenure type (%) and dwelling structure

Fully owned: 68,278 (27.4)  
Being purchased: 85,257 (34.3)  
Rented: 86,657 (34.8)

Separate house: 201,976  
Semi-detached: 12,653  
Apartment: 29,380

	Percent of houses: fully owned rented	
Torres:	7.7	77.8
Cook:	n.a.	n.a.
Lockhart River:	2.7	94.6
Hope Vale:	2.6	96.1
Wujal Wujal:	0	100
Cairns:	23.2	39.8
Yarrabah:	8.5	87.5
Cassowary Cst:	37.6	32.0
Hinchinbrook:	48.1	26.1
Palm Island:	4.1	92.8
Townsville:	23.2	37.3
Burdekin:	41.1	28.1
Whitsunday:	29.5	36.5
Mackay:	29.7	29.5
Isaac:	20.9	60.8
Rockhampton:	31.6	30.9
Gladstone:	26.8	30.4
Bundaberg:	n.a.	n.a.

Ref: ABS 2011

Highest % fully owned: Hinchinbrook (48.1%)  
Highest % rented: Wujal Wujal (100%)  
Highest median house price: Isaac (\$540k)  
Lowest median house price: Burdekin (\$215k)

### Median house prices (\$000)

Torres:	n.a.
Cook:	270
Lockhart River:	n.a.
Hope Vale :	n.a.
Wujal Wujal :	n.a.
Cairns:	300
Yarrabah:	n.a.
Cassowary Cst:	232
Hinchinbrook:	255
Palm Island:	n.a.
Townsville:	350
Burdekin:	215
Whitsunday:	335
Mackay:	415
Isaac:	540
Rockhampton:	315
Gladstone:	447
Bundaberg:	283

Ref: ABS 2012; Figure 14.

### Median mortgage repayment (\$/month)

Torres:	1817
Cook:	n.a.
Lockhart River:	0
Hope Vale:	0
Wujal Wujal:	0
Cairns:	1733
Yarrabah:	0
Cassowary Cst:	1300
Hinchinbrook:	1200
Palm Island:	0
Townsville:	1860
Burdekin:	1300
Whitsunday:	1768
Mackay:	2167
Isaac:	1907
Rockhampton:	1690
Gladstone:	2000
Bundaberg:	n.a.

Ref: ABS, Census of  
Population and Housing,  
2011, Basic Community  
Profile - B02.

### Median rental payment (\$/month)

Torres:	117
Cook:	n.a.
Lockhart River:	113
Hope Vale:	98
Wujal Wujal:	65
Cairns:	250
Yarrabah:	120
Cassowary Cst:	200
Hinchinbrook:	152
Palm Island:	100
Townsville:	290
Burdekin:	180
Whitsunday:	260
Mackay:	310
Isaac:	64
Rockhampton:	250
Gladstone:	300
Bundaberg:	n.a.

Ref: ABS, Census of  
Population and Housing,  
2011, Basic Community  
Profile - B02.

# SELTMP 2013: COASTAL COMMUNITIES

## Housing

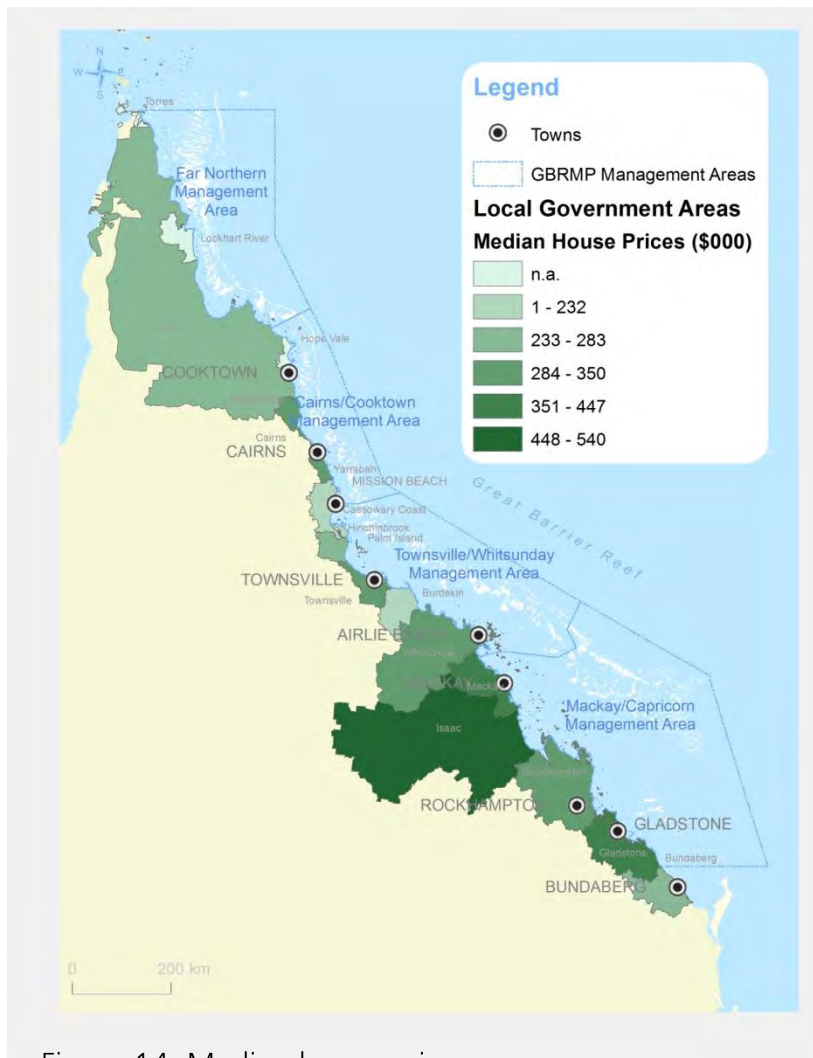


Figure 14. Median house prices.

# SELTMP 2013: COASTAL COMMUNITIES

## Sewage and Waste

### Residential sewage connections

Cairns:	63,334
Hinchinbrook:	2052
Townsville:	59,767
Burdekin:	5243
Whitsunday:	8813
Mackay:	32,029
Rockhampton:	32,514
Gladstone:	17,260

Ref: DLGP 2011b; Figure 15

### Total tonnage of domestic waste (t)

Cairns :	60,487
Hinchinbrook:	3,409
Townsville:	42,912
Burdekin:	17,500
Whitsundays:	12,520
Mackay:	29,402
Rockhampton:	37,351
Gladstone:	19,324

Ref: DLGP 2011b; Figure 16

# SELTMP 2013: COASTAL COMMUNITIES

## Sewage and Waste

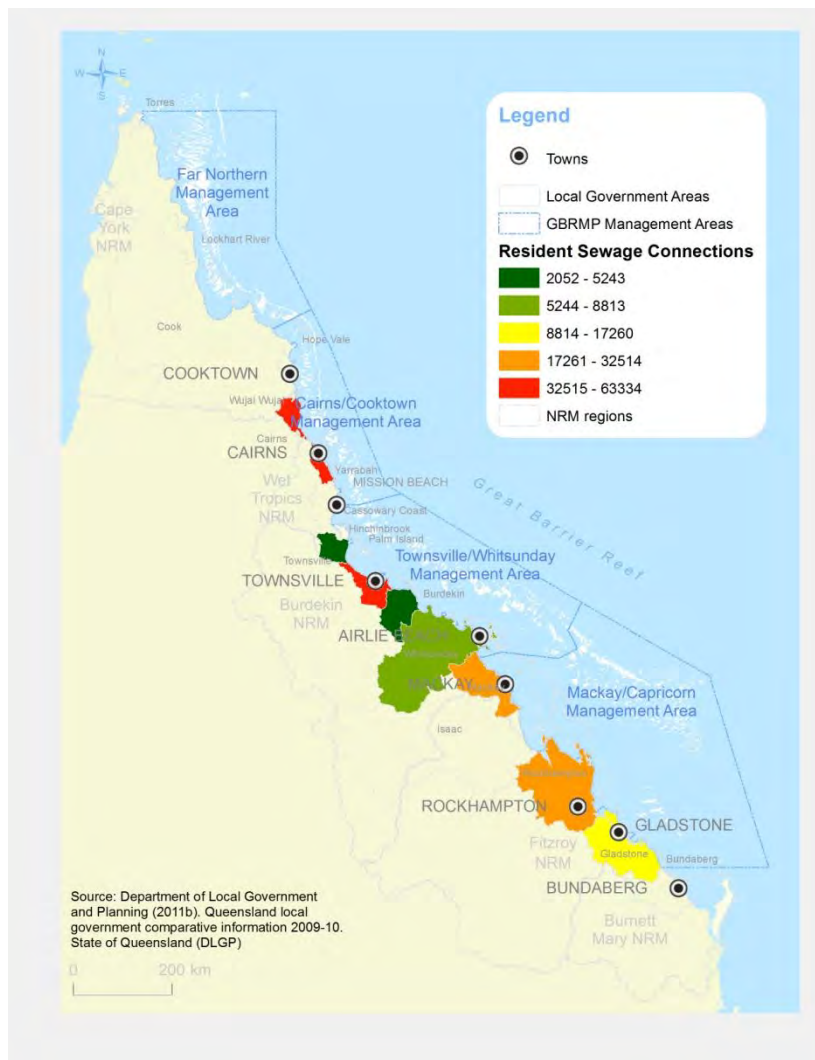


Figure 15. Resident sewage connections.

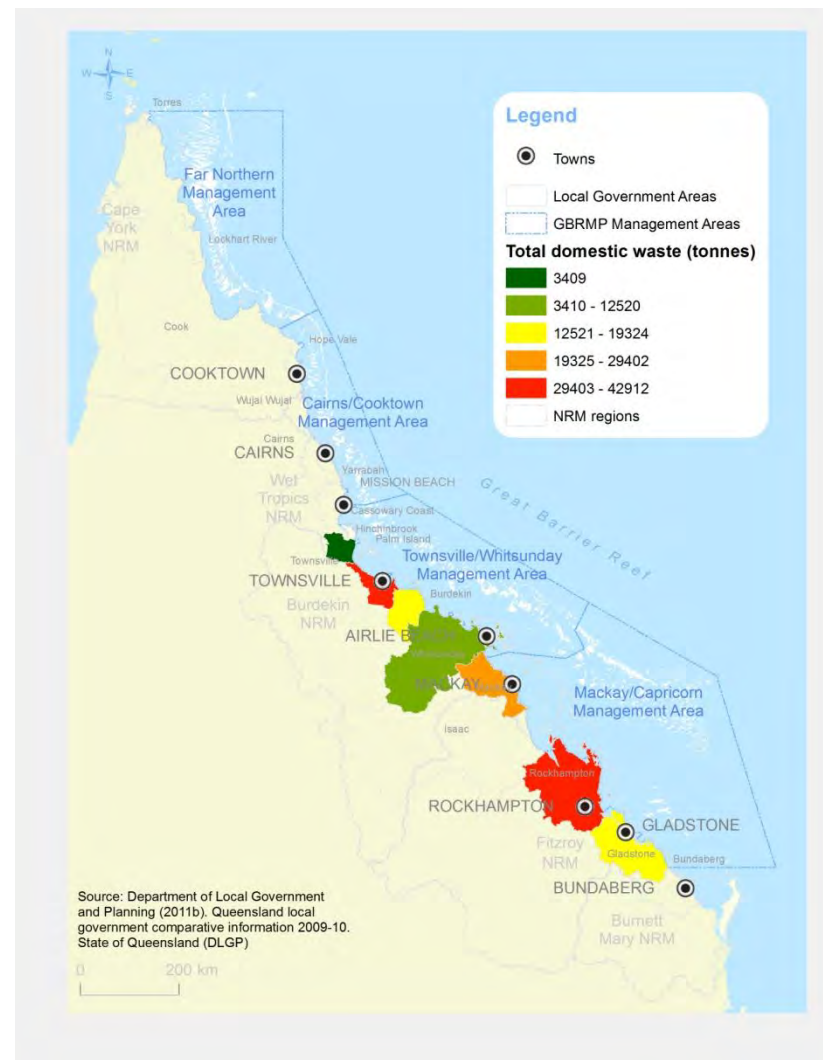


Figure 16. Total domestic waste.

# SELTMP 2013: COASTAL COMMUNITIES

## Internet and Communications

### Internet connections

No connection: 51,244  
Broadband: 169,230  
Dial-up: 7,740  
Total: 187,781 (75.5%)

### Population with internet connection(%)

Torres: 56.3  
Cook: n.a.  
Lockhart River: 24.5  
Hope Vale: 38.2  
Wujal Wujal: 43.1  
Cairns: 77.5  
Yarrabah: 25.8  
Cassowary Cst: 66.5  
Hinchinbrook: 63.5  
Palm Island: 88.3  
Townsville: 78.6  
Burdekin: 65.5  
Whitsunday: 73.1  
Mackay: 76.5  
Isaac: 83.8  
Rockhampton: 72.1  
Gladstone: 79.2  
Bundaberg: n.a.

Ref: ABS 2011; Figure 18

Highest % connected: Palm Island (88.3%)  
Lowest % connected: Lockhart River (24.5%)

Highest number of dwellings with no internet connection: Townsville (10,829)

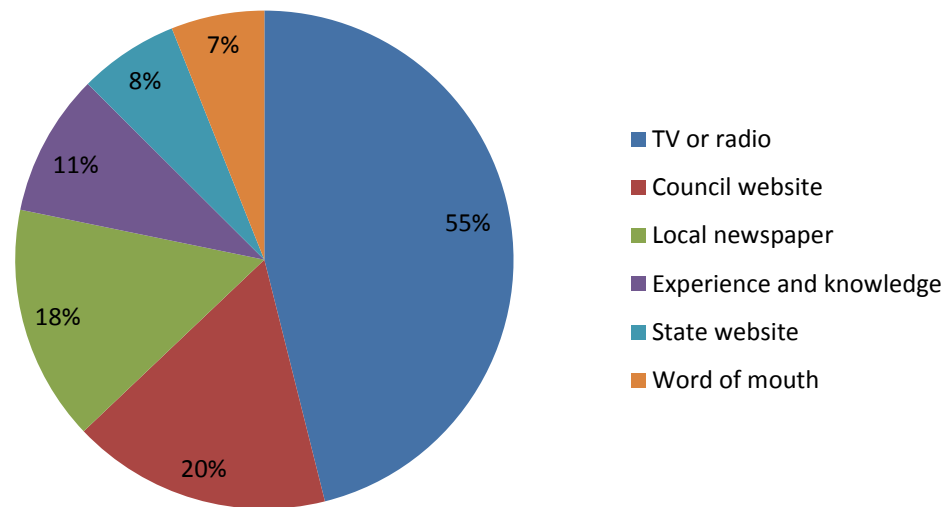


Figure 17. Townsville population using sources of emergency information (%). Ref: Townsville City Council 2011.

# SELTMP 2013: COASTAL COMMUNITIES

## Internet Connections and Disadvantage

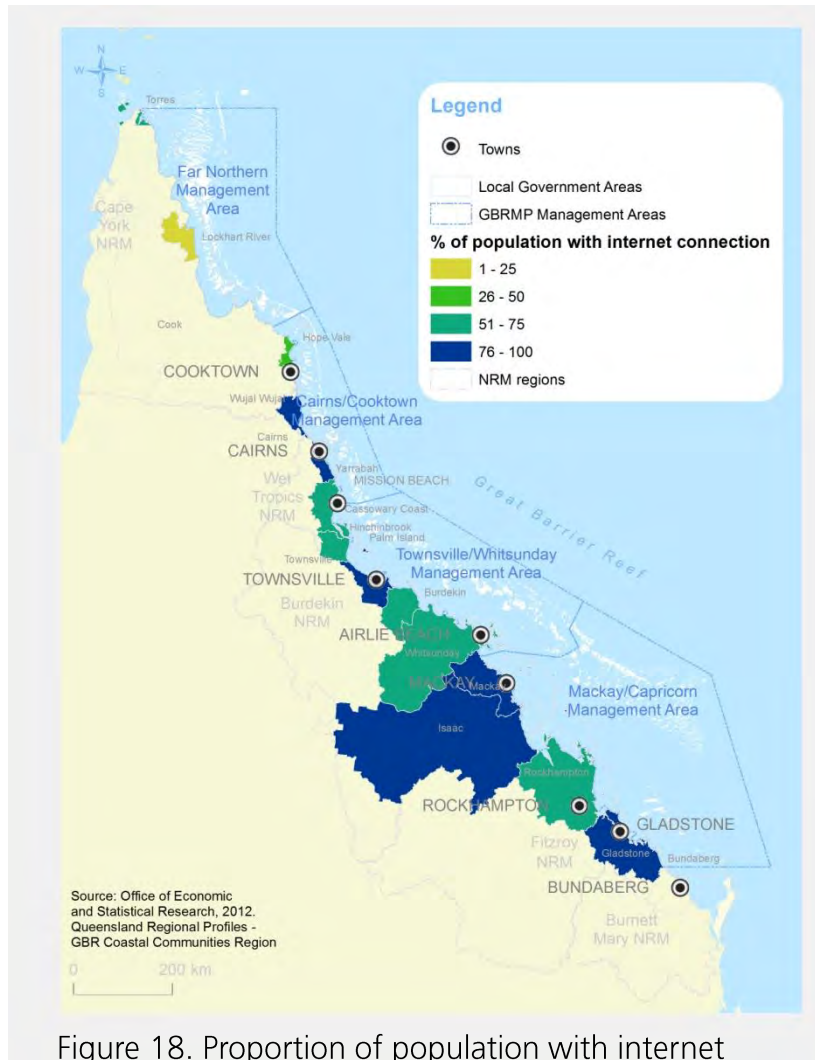


Figure 18. Proportion of population with internet connection

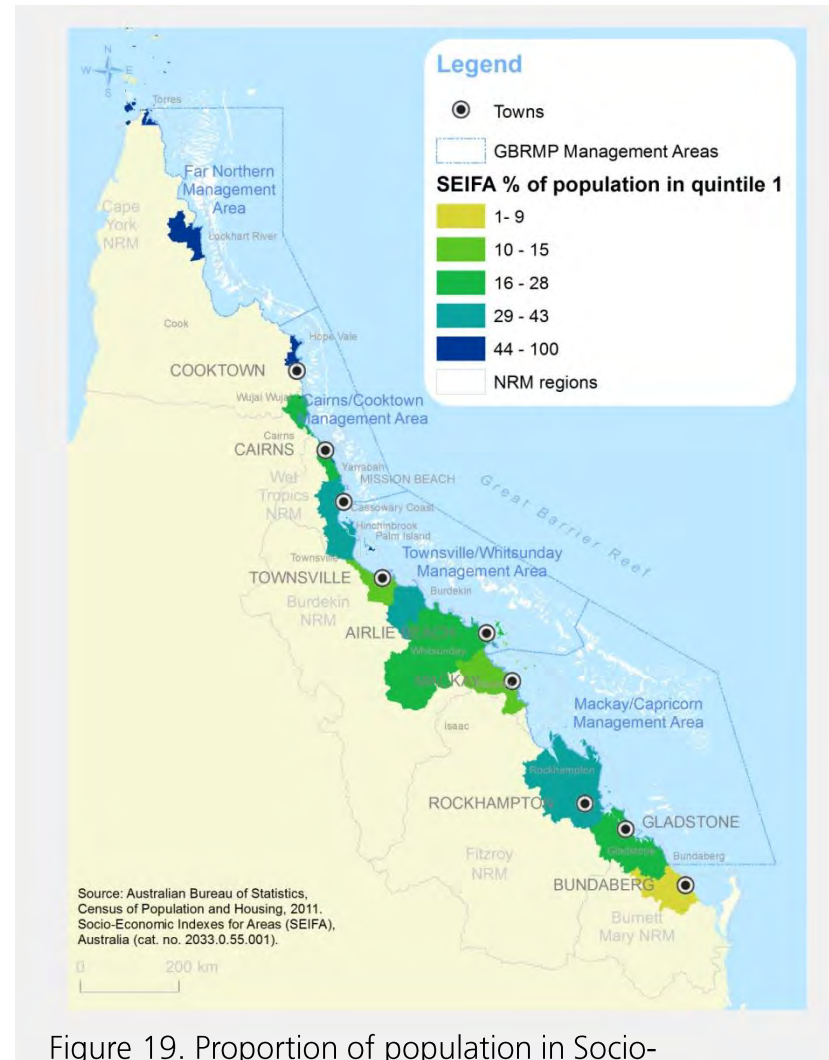


Figure 19. Proportion of population in Socio-Economic Indexes for Areas (SEIFA) Quintile 1 (most disadvantaged)

# SELTMP 2013: COASTAL COMMUNITIES

## Environmental Stewardship & Awareness

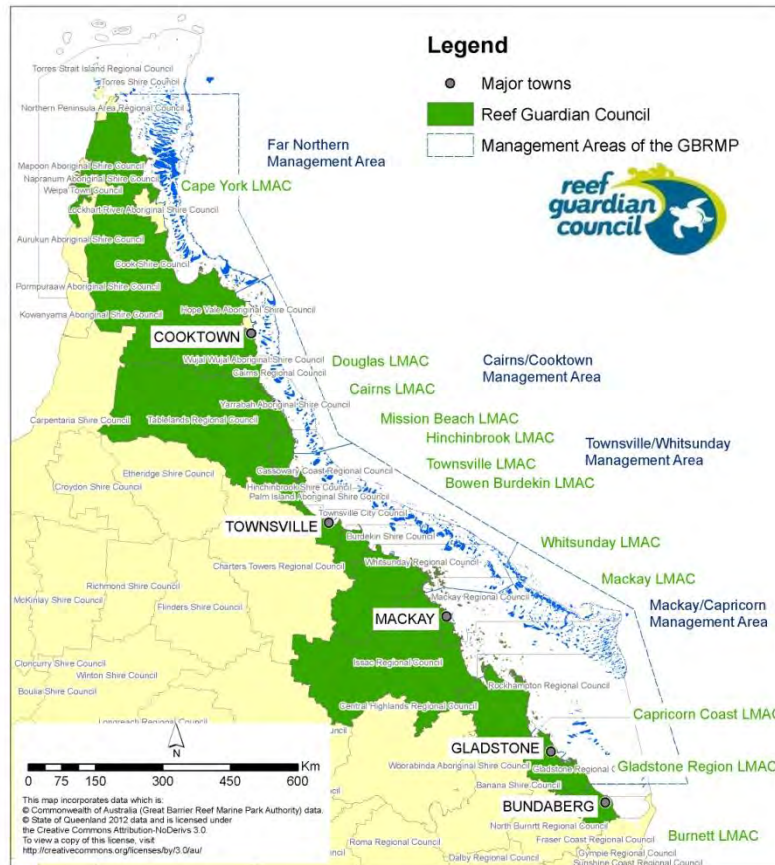


Figure 20. Location of Reef Guardian Council Programs. Source: GBRMPA 2012.

### Reef Guardian program participants

Schools:	293
Councils:	13
Farmers and Graziers:	17
Fishing operations:	7

Ref: GBRMPA, pers. comm. 2012 and  
<http://www.gbrmpa.gov.au/our-partners/reef-guardians> Accessed 23 Oct 2013; Figure 20.

# SELTMP 2013: COASTAL COMMUNITIES

## Environmental Stewardship & Awareness

### Volunteers aged 15 and older (% of population)

#### Region: 18.4

Torres:	15.5
Cook:	n.a.
Lockhart River:	12.5
Hope Vale:	8.7
Wujal Wujal:	12.3
Cairns:	17.8
Yarrabah:	11.3
Cassowary Cst:	19.1
Hinchinbrook:	23.1
Palm Island:	7.7
Townsville:	16.7
Burdekin:	22.1
Whitsunday:	17.0
Mackay:	15.9
Isaac:	20.4
Rockhampton:	18.1
Gladstone:	19.3
Bundaberg:	n.a.

Ref: ABS 2011; Figure 21.

### Participate in government incentive schemes (e.g. solar rebates)

#### Percent of coastal population

Region:	27
Cape York:	22
Far Northern:	14
Northern:	34
Central:	19
Southern:	35

Ref: Young and Mar 2010 (2)

### Walk, cycle, car pool or use public transport rather than driving

#### Percent of coastal population

Region:	35
Cape York:	33
Far Northern:	30
Northern:	40
Central:	36
Southern:	35

Ref: Young and Mar 2010 (2)

### Use green electricity (e.g. solar, wind, wave, nuclear)

#### Percent of coastal population

Region:	18
Cape York:	17
Far Northern:	24
Northern:	16
Central:	15
Southern:	17

Ref: Young and Mar 2010 (2)

# SELTMP 2013: COASTAL COMMUNITIES

## Volunteering

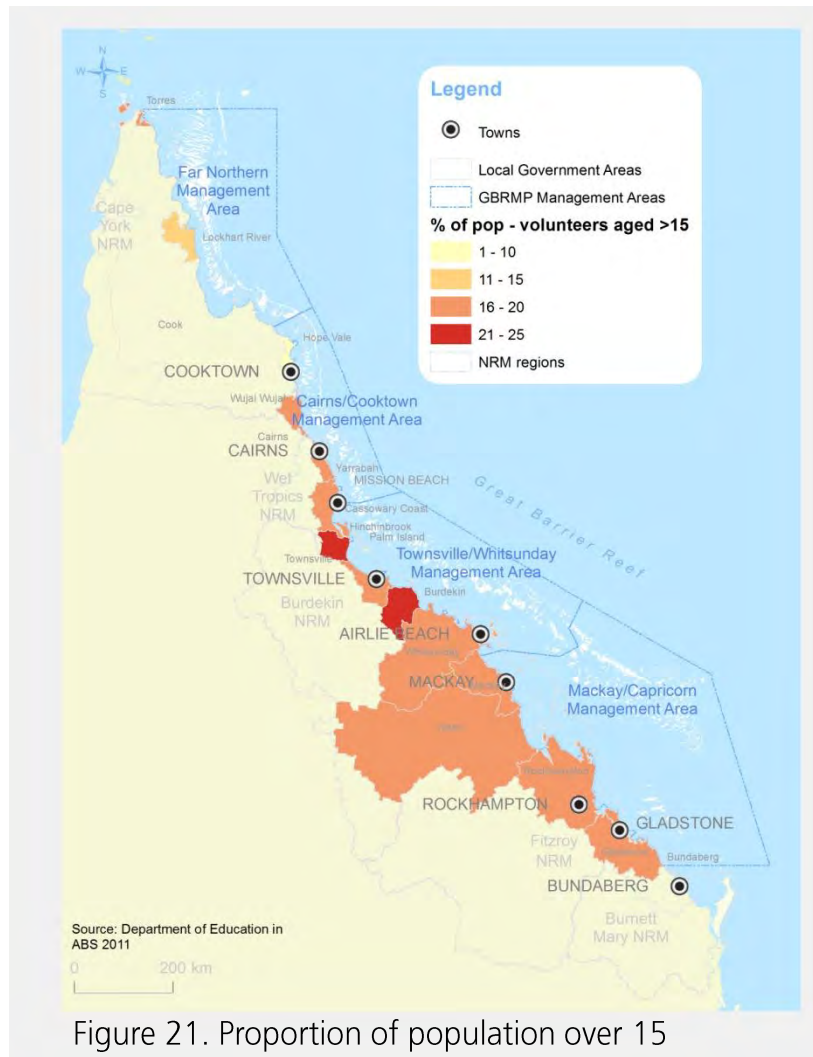
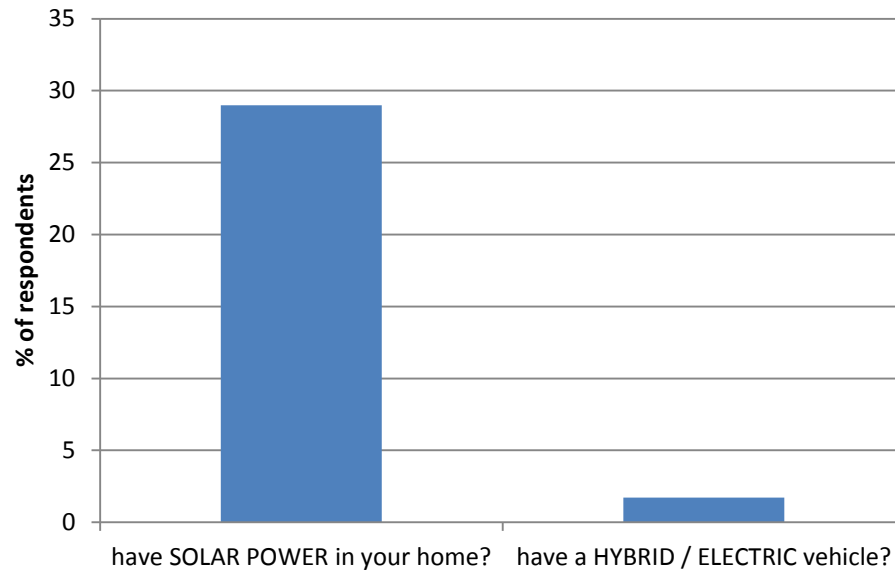


Figure 21. Proportion of population over 15 involved in volunteering.

# SELTMP 2013: COASTAL COMMUNITIES

## Environmental Stewardship & Awareness

Do  
you:



### Top reasons for positive environmental behaviour (% of QLD coastal population)

#### Turning off lights and appliances:

to save money 75

#### Recycling:

to protect the environment 41

#### Buying local produce:

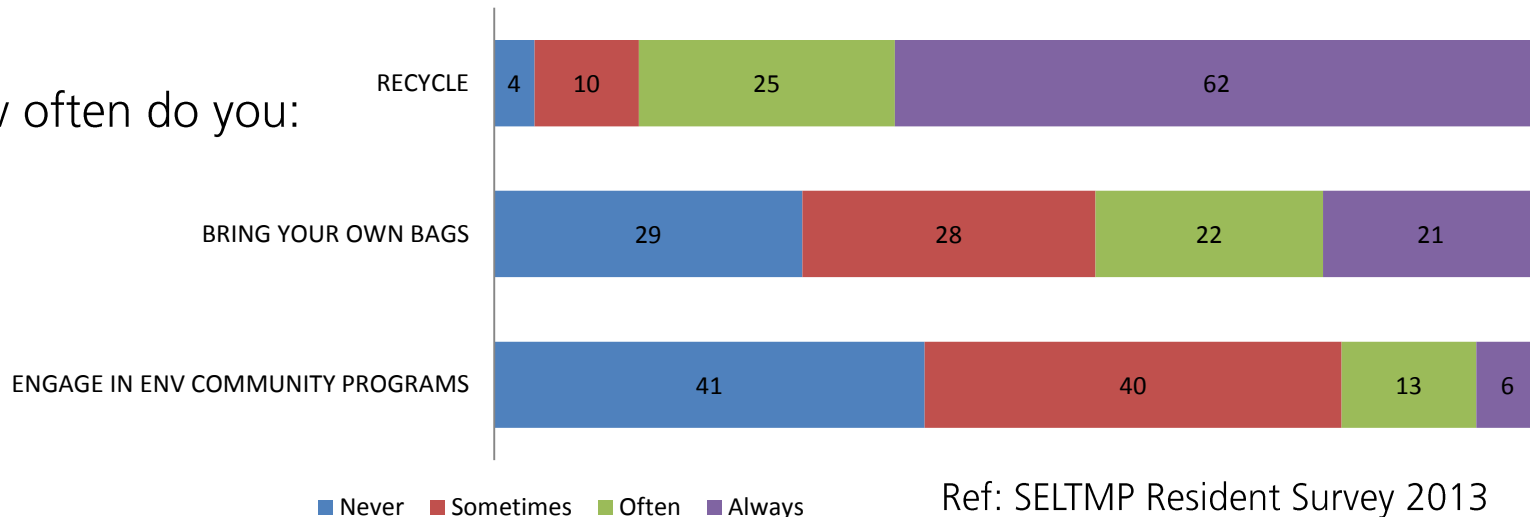
to support local farmers/industry 49

#### Using energy efficient products:

to save money 60

Ref: Young and Mar 2010 (2)

How often do you:



Ref: SELTMP Resident Survey 2013

SELTMP 2013 - COASTAL COMMUNITIES

# SELTMP 2013: COASTAL COMMUNITIES

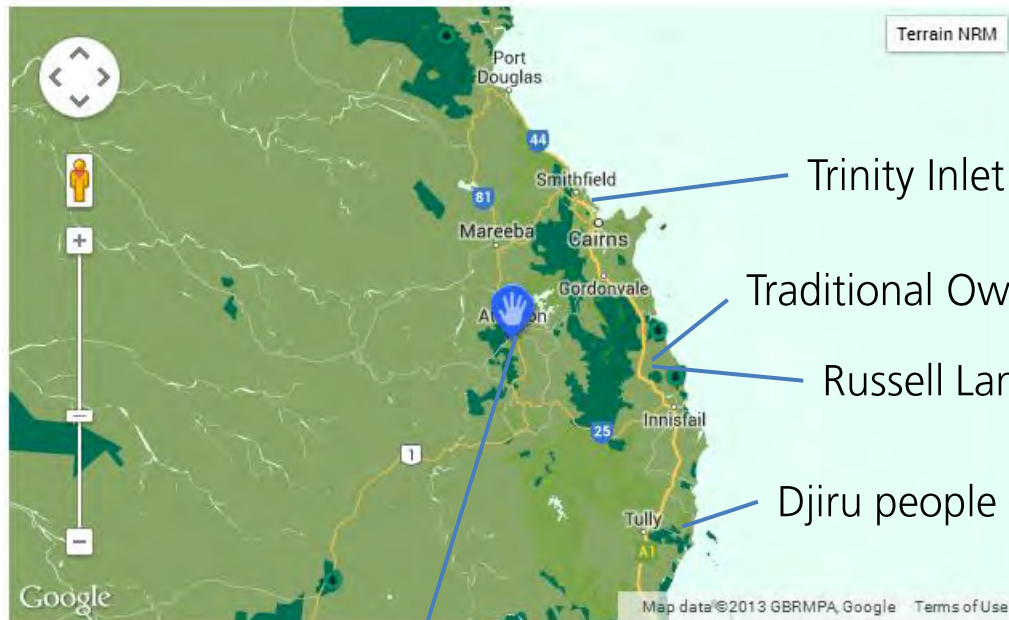
## Local Coastal Community Groups in NQ Dry Tropics NRM Region

- Alva Beach Sport, Recreation and Community Association Inc
- Arcadia Surf Life Saving Club [↗](#)
- Ayr Surf Life Saving Club [↗](#)
- Beyond Zero Emissions [↗](#)
- BirdLife Northern Queensland [↗](#)
- BirdLife Townsville [↗](#)
- Bluewater Catchment Landcare Inc [↗](#)
- Bowen Surf Life Saving Club [↗](#)
- Balgal Beach Boating and Leisure Club Inc [↗](#)
- Burdekin Fish Restocking Association [↗](#)
- Burdekin Bowen Integrated Floodplain Management Advisory Committee Inc. [↗](#)
- Coastal Dry Tropics Landcare Inc [↗](#)
- Conservation Volunteers Australia [↗](#)
- Crystal Creek Hut Owners Association
- Geoffrey Bay Coastcare
- Gudjuda Reference Group Aboriginal Corporation
- **Haughton River Catchment Committee**
- Hell Hole Creek Hut Owners and Anglers Organisation
- Lower Burdekin Landcare [↗](#)
- Magnetic Island Community Development Assoc Inc
- Magnetic Island Nature Care Association [↗](#)
- Marine Wildlife Foundation [↗](#)
- North Queensland Conservation Council [↗](#)
- North Queensland Underwater Explorers Club [↗](#)
- North Queensland Wildlife Care [↗](#)
- Olympus Crescent Coastcare
- Permaculture Townsville [↗](#)
- Queen's Beach Action Group
- Reef Check Australia [↗](#)
- Saunders Beach Community Centre
- Seagrass Watch [↗](#)
- Sea Turtle Foundation [↗](#)
- Society for Growing Australian Plants [↗](#)
- Tangaroa Blue Foundation [↗](#)
- Townsville Skindiving Club [↗](#)
- Toolakea Progress Association [↗](#)
- Toomulla Beach Coastcare
- Townsville Sportfishing Club [↗](#)
- TropEco [↗](#)
- Volunteering North Queensland [↗](#)
- **West Point Coastcare**
- Wildlife Preservation Society of Queensland, Townsville Branch [↗](#)
- Wunjunga Progress Association

Ref: NQ Dry Tropics. [http://wiki.bdtfrm.org.au/index.php?title=Local\\_Coastal\\_Community\\_Groups](http://wiki.bdtfrm.org.au/index.php?title=Local_Coastal_Community_Groups). Accessed 30 October 2013.

# SELTMP 2013: COASTAL COMMUNITIES

## Local Coastal Community Groups in Terrain NRM Region



Trinity Inlet Catchment Association Inc.

Traditional Owners Water Quality Projects

Russell Landcare and Catchment Group

Djiru people managing country at Mission Beach



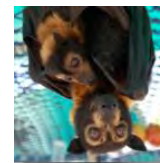
### *Atherton Tablelands:*

Tolga Bat Rescue and Research Inc.

Tree Kangaroo & Mammal Group Inc.

Trees for the Evelyn and Atherton Tableland Inc. (TREAT)

Barron River Integrated Catchment Management Association



Ref: Terrain: <http://www.terrain.org.au/Projects>. Accessed 27 November 2013.

# SELTMP 2013: COASTAL COMMUNITIES

## Local Coastal Community Groups in Cape York NRM Region



Ref: Cape York NRM. <http://www.capeyorknrm.com.au/projects.html>. Accessed 27 November 2013.

# SELTMP 2013: COASTAL COMMUNITIES

## Drivers of Change

Key events for coastal communities in 2013

- ❖ Natural disasters: Bundaberg floods, TC Oswald
- ❖ Elections
- ❖ Proposed port developments & GBRWHA Strategic Assessment

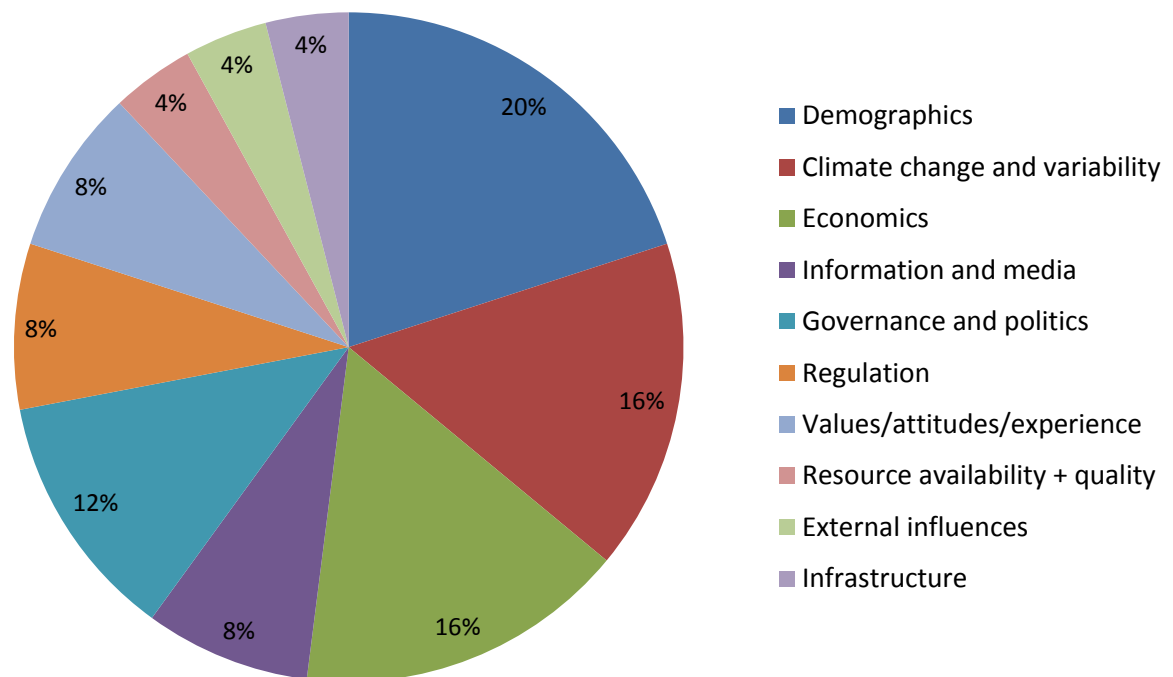


Figure 22. Drivers identified by Coastal Communities Working Group in November 2011 Workshop

# SELTMP 2013: COASTAL COMMUNITIES

## Key Events in 2013: Natural disasters

### Impacts of 2013 QLD disaster events

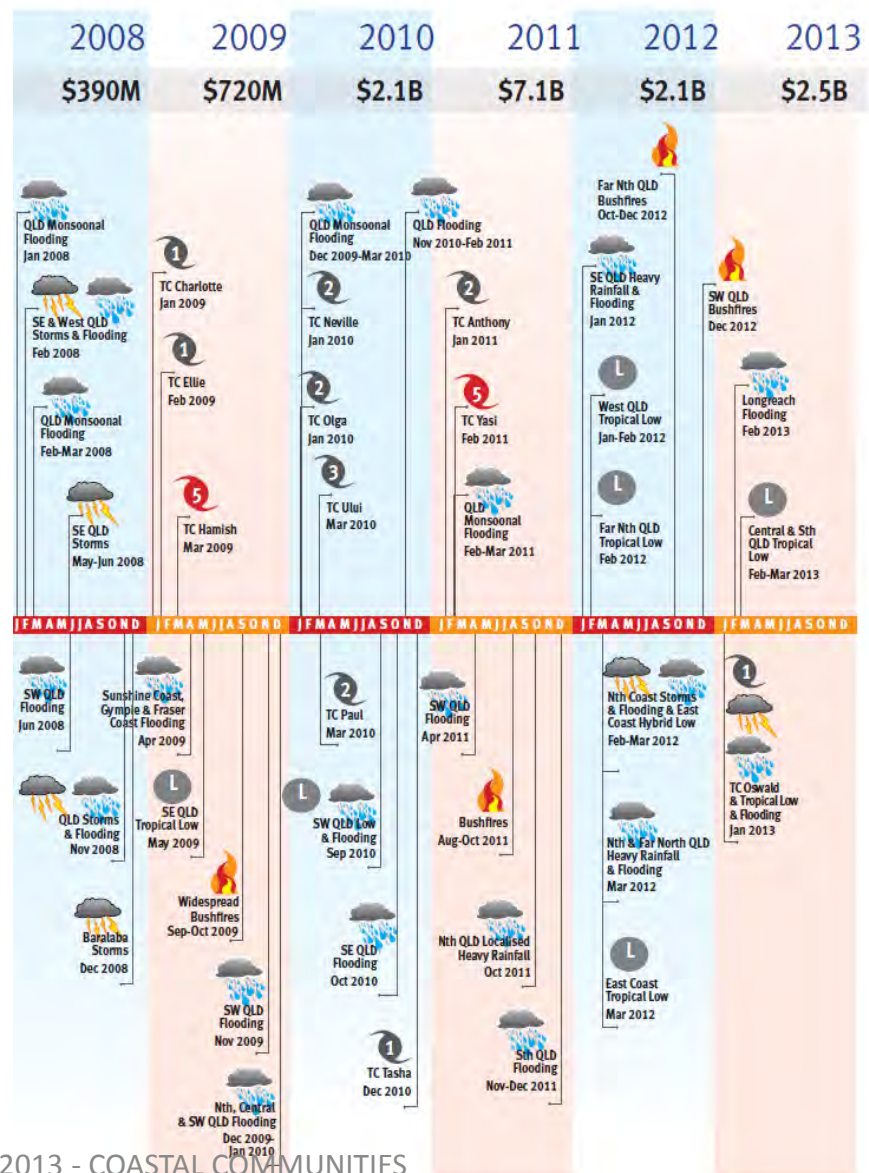
Residents evacuated from Bundaberg: >2000  
 Insurance claims: \$908 million  
 State and non-State schools closed during event: 339  
 National parks and protected areas affected: >260  
 Houses damaged: > 4,300  
 Homes and businesses without power: > 390,000  
 Businesses affected: approx. 750  
 State road network: >7400km(22%)  
 QLD Rail Network: 3100km (43%)

Ref: QLD Trade and Treasury 2013

### Costs of disasters across QLD

Financial impact of 2013 QLD disaster events, relative to 2008-2012 (graphic at right)

Ref: QLD Trade and Treasury 2013



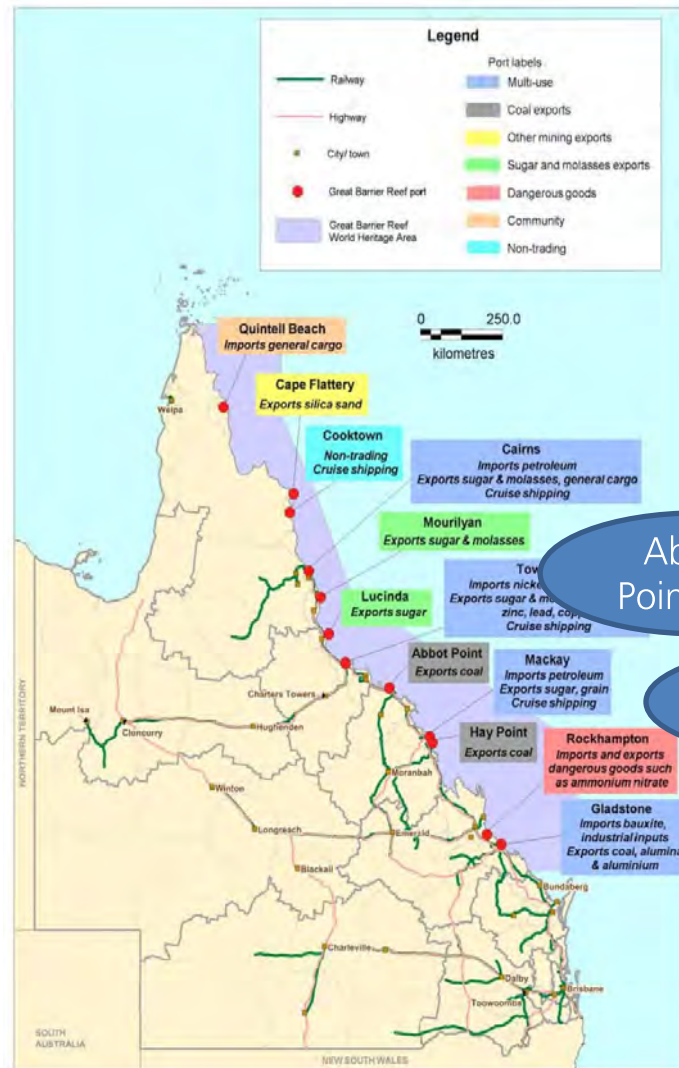
# SELTMP 2013: COASTAL COMMUNITIES

## Key Events in 2013: Port development

Number of coal ships in 2011: 1722  
(Figure 23)

Coal throughput in 2011: 156 million tonnes

Ref: GPC (2011) Gladstone Ports Corporation Annual Report 2010/11 and North Queensland Bulk Ports Corporation Limited (2011) Annual Report 2010-2011 in Greenpeace 2012



Abbott  
Point: 190

Hay Point:  
892

Gladstone:  
640

Figure 23. QLD Dept of State Development, Infrastructure and Planning 2012

# SELTMP 2013: COASTAL COMMUNITIES IN THE GREAT BARRIER REEF

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**CONTACT**

Name: Dr. Erin Bohensky

Organisation: CSIRO Ecosystem Sciences, Social & Economic Sciences Program

Phone: 07 4753 8569

Email: [erin.bohensky@csiro.au](mailto:erin.bohensky@csiro.au)