

6 KARUMBA TRC

The Karumba TRC consists of the towns of Karumba, Normanton and Burketown located in the southern Gulf of Carpentaria.

BUSINESS PROFILES

Location and Use of Ports

Table 6.1 shows the number of license holders within the Karumba TRC and the number of survey respondents who reported having homeports within the Karumba TRC. Based on the basis of the sample count, it is estimated that there were 8 charter operators within this TRC, with homeports in Karumba (71.4%), Normanton (14.3%) and Burketown (14.3%). We can be 95% certain that the population count within the TRC is between 3 and 13. Figure 6.1 shows the geographic location of the Karumba TRC.

Table 6.1 Location of Homeports

Town	Adj. Database Count	Sample Count	Estimated Count	Percent TRC
Karumba	4	4	5.3	71.4
Normanton	2	1	1.3	14.3
Burketown	1	1	1.3	14.3
Total TRC	7	6	8	100
95% Confidence Interval for Estimated TRC Count				3-13
Percent of Total Active License Holders in QLD				3.0%

Note: Adjusted database count is based on the postal address as recorded in the licensing information, which may not be the homeport of the charter business. The count is adjusted for latent license holders (8.6%). The estimated count adjusts the sample count by the sampling fraction of 1.32

Fishing Activity

Table 6.2 shows the types of fishing activity on charter operations from the Karumba TRC over the previous year for those charters that were predominately fishing charters. Charters were undertaken as day trips, overnight trips or extended trips. On day trips, the main fishing activities were estuary fishing (63%) and reef fishing (36%). On overnight trips, reef fishing was the only fishing undertaken and on extended trips, estuary fishing was the only fishing undertaken.

Table 6.2 Type of Fishing Activity (during the last 12 months)

Fishing Type	Day trips		Overnight trips		Extended trips	
	Mean % Time within TRC	Mean % Time QLD	Mean % Time within TRC	Mean % Time QLD	Mean % Time within TRC	Mean % Time QLD
Reef (bottom fishing)	36.0	47.5	100.0	66.0	0.0	51.2
Game (pelagic)	1.0	18.8	0.0	20.3	0.0	31.1
Estuary	63.0	26.8	0.0	11.6	100.0	12.5
Crabbing	0.0	0.5	0.0	0.2	0.0	0.5
Other	0.0	6.4	0.0	2.0	0.0	4.6
Total Sample	100.0	100.0	100.0	100.0	100.0	100.0

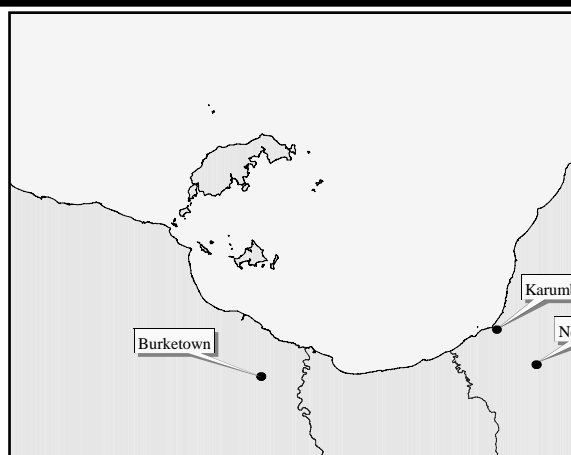


Figure 6.1 Location of the Karumba TRC

Table 6.3 shows the number of day trips, overnight trips and extended trips, and the percentage of trips that were chartered primarily for fishing, over the previous year. Most charters from the Karumba TRC were day trips (551 days), and 98.7% of day trips were predominately fishing charters. All overnight and extended charters from the Karumba TRC were fishing charters. The charter industry in the Karumba TRC is more oriented around fishing than the average Queensland day charter (70.2%), overnight charter (62.0%) and extended charter (66.1%).

Table 6.4 shows the percentage of time spent fishing and doing other activities such as diving and cruising, on charters where fishing was not the only activity. On day trips, fishing represented 47.5% of activities. Sightseeing was only a small component of day trips (2.5%), and other activities such as transportation, drop-offs (etc.) made up the rest of the activities (50%). Overnight trips and extended trips for activities other than fishing were not undertaken in the Karumba TRC.

Table 6.5 shows that the peak months for charter activity within the Karumba TRC were May, June, July and August. This was an earlier season than the the average Queensland peak season, which was from July to November.

Location of Resource Use

Figure 6.2 shows the location of resource use by charter operators in the Karumba TRC. The main location of resource use was directly adjacent to Karumba, with some use around Mornington Island.

Table 6.3 Number of Charter Trips (during the last 12 months)

Type	Mean within TRC	QLD Mean
Day Trips		
Mean number of day-trips (per business)	91.8	85.3
Mean number of fishing-only day-trips	90.7	59.9
Total number of day-trips	551	16,976
Total number of fishing-only day-trips	544	11,919
Percentage fishing-only trips	98.7%	70.2%
Overnight Trips		
Mean number of overnight trips (per business)	0.8	5.39
Mean number of fishing-only overnight-trips	0.8	3.34
Total number of overnight trips (x2 days per trip)	10.0	1,072
Total number of fishing-only days on overnight trips	10.0	665
Percentage fishing-only trips	100.0%	62.0%
Extended Trips		
Mean number of extended-trips	4.2	6.9
Mean number of fishing-only extended-trips	4.2	4.5
Total number of days on extended-trips	12.5	6,881
Total number of fishing-only days on extended trips	12.5	4,385
Percentage fishing-only trips	100.0%	66.1%
Mean number of days away (per business)	104.3	121.3
TOTAL days charter	573.5	24,929
Percentage of charter spent fishing	98.8%	68.1%

Table 6.4 Charter Activities

Type	Within TRC	QLD Mean
Day Trips		
% time spent fishing	47.5	52.9
% time spent diving/snorkeling	0.0	13.1
% time spent cruising/sightseeing	2.5	17.5
% time spent sailing	0.0	0.4
% time spent whale & dolphin watching	0.0	4.2
% time spent doing other activities	50.0	11.9
Overnight Trips		
% time spent fishing	0.0	51.2
% time spent diving/snorkeling	0.0	22.9
% time spent cruising/sightseeing	0.0	15.9
% time spent sailing	0.0	0.0
% time spent whale & dolphin watching	0.0	0.0
% time spent doing other activities	0.0	10.0
Extended Trips		
% time spent fishing	0.0	51.2
% time spent diving/snorkeling	0.0	31.1
% time spent cruising/sightseeing	0.0	12.5
% time spent sailing	0.0	0.6
% time spent whale & dolphin watching	0.0	0.0
% time spent doing other activities	0.0	4.6

Table 6.5 Peak Charter Months

Months	Sample Count	Percent within TRC	Percent of QLD Fishery
January	0	0.0	21.8
February	0	0.0	6.2
March	0	0.0	8.8
April	0	0.0	16.6
May	1	16.7	17.6
June	3	50.0	26.9
July	6	100.0	37.3
August	4	66.7	37.3
September	0	0.0	44.0
October	0	0.0	48.7
November	0	0.0	35.2
December	0	0.0	25.9

Charter Industry Businesses

Table 6.6 identifies the number of employees in the charter industry for the Karumba TRC. All businesses had between 1 and 3 fulltime employees. There was no part-time or casual employment. The mean was 1.5 fulltime employees per business. In total, it is estimated that there were 12 people employed in the charter industry within the Karumba TRC over the previous year.

Business Ownership and Size

Table 6.7 shows the number of years that the current owner had owned their charter business in the Karumba TRC. On average, businesses had been owned for 2.7 years, and 83.3% of businesses had been owned for less than 5 years. These businesses are relatively young since the average Queensland charter business has been owned for 7 years, some 4.3 years longer than those in Karumba.

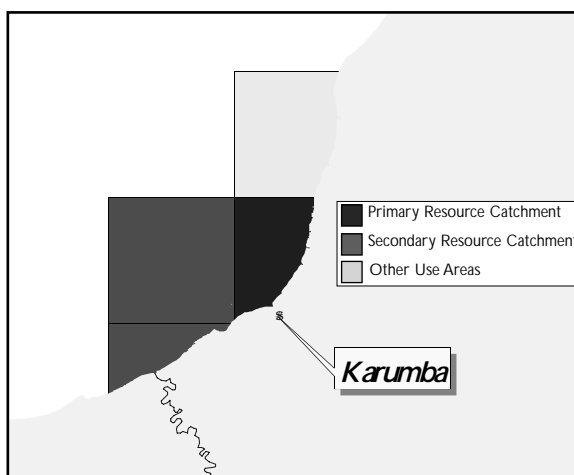


Figure 6.2 Karumba TRC: Location of Resource Use

Table 6.6 Number of Employees

Number of Charter Employees	Full-Time Count	Full-Time Percent	Part-Time Count	Part-Time Percent	Casual Count	Casual Percent
Nil	0	0.0	0	0.0	0	0.0
1	3	50.0	0	0.0	0	0.0
2-3	3	50.0	0	0.0	0	0.0
4-5	0	0.0	0	0.0	0	0.0
Total Businesses	6	100.0	0	0.0	0	00.0
Total Employees	12		0		0	
Mean Number of Employees per Business			1.5			
Mean Number of Full-time Employees per Business				1.5		
Mean Number of Part-time & Casual Employees per Business				0.0		
Estimated Number Employed within the TRC				12		

Note: Part-time and casual employment was recorded as 0.5 when contributing to total employment.

Total number of employees includes the respondent.

Estimates of total employment based on an estimated 8 charter businesses (Table 6.1)

Table 6.7 Number of Years of Current Ownership of the Charter Business

Number of Years	Sample Count	Percent within TRC	Cumulative Percent
1-5	5	83.3	83.3
6-10	1	16.7	100.0
11-15	0	0.0	0.0
16+	0	0.0	0.0
Total	6	100.0	100.0
Mean Number of Years owned or operated			2.7
Difference of TRC Mean to QLD Population Mean (7.0)			-4.3

Note: Standard errors for number of years ownership (sample = 0.7; QLD population = 0.5).

Table 6.8 shows that the average number of years the charter business had been operating was 5.6 years, with 50% operating for less than 5 years. The average Queensland charter business has been operating for 8.3 years, some 2.7 years longer than the average business in Karumba.

Table 6.8 Number of Years Business has been Operating

Number of Years	Sample Count	Percent within TRC	Cumulative Percent
1-5	3	50.0	50.0
6-10	2	33.3	83.3
11-15	1	16.7	100.0
16+	0	0.0	100.0
Total	6	100.0	100.0
Mean Number of Years owned or operated			5.6
Difference of Mean to QLD Population Mean (8.3)			-2.7

Note: Standard errors for number of years operated (sample = 1.7; QLD population = 0.6)

Table 6.9 shows the number of boats owned by charter businesses within the Karumba TRC. Most businesses operated with one boat (83.3%). The average number of boats operated was 1.2, which was similar to the Queensland average (1.3 boats).

Table 6.9 Number of Boats Operated by Charter Businesses

Number of Boats	Sample Count	Percent TRC
1	5	83.3
2	1	16.7
3	0	0
4+	0	0
Total Number of Businesses	6	100.0
Mean Number of Boats Operated		1.2
Difference of Mean to QLD Population Mean (1.3)		-0.1

Note: Standard errors for number of boats operated (sample = 0.2; QLD population = 0.06)

Table 6.10 shows the frequency distribution of the length of boats operated within the Karumba TRC. Most boats were less than 6m long (57.1%), and the remainder were between 7-10m. Boats in the Karumba TRC (average 6.6m) were shorter than the Queensland average (11.4m). The average length of the largest vessel operated (6.8m) was also significantly smaller than the Queensland average (11.7m).

Table 6.10 Length of Vessels Operated by Charter Businesses

Length of Boat (metres)	Sample Count	Percent TRC
2-6	4	57.1
7-10	3	42.9
11-14	0	0.0
15-18	0	0.0
18-24	0	0.0
24+	0	0.0
Total Number of Boats	7	100.0

Mean Length of Boats Operated (metres) 6.6
Difference of Mean to QLD Population Mean (11.4) -4.8

Mean Length of Largest Boat Operated (metres) 6.8
Difference of Mean to QLD Population Mean (11.7) -4.9

Note: Standard errors for mean length of boats (sample = 1.4; QLD population=0.4). Standard errors for mean length of largest boats (sample =0.7; QLD population=0.5).

Value of Production and Location of Sales

Table 6.11 shows the income of charter operations within the Karumba TRC for the twelve months prior to the survey. The profile was markedly different to the overall profile for Queensland. In the Karumba TRC all businesses earned less than \$100,000, whereas 34.2% of Queensland businesses earned more than \$100,000, and some (0.5%) earned more than \$1m. The estimated total income from charter operations in the Karumba TRC was \$396,000, which represents around 1.2% of the Queensland charter industry income.

Table 6.11 Business Income (Annual value)

Value (\$,000)	Sample Count	Sample Percent	Queensland Percent
Less than \$100	6	100.00	65.8
\$101 - \$200	0	0.0	11.5
\$201 - \$300	0	0.0	7.5
\$301 - \$400	0	0.0	4.0
\$401 - \$500	0	0.0	6.0
\$501 - \$600	0	0.0	2.0
\$601 - \$700	0	0.0	2.5
\$701 - \$800	0	0.0	0.0
\$801 - \$900	0	0.0	0.0
\$901 - \$1,000	0	0.0	0.0
Over \$1,000	0	0.0	0.5
Total	6	100.0	100.0
Mean GVP for TRC			\$50,000
Estimated Total GVP for TRC			\$396,000
Estimated Total GVP for QLD Population			\$ 34,419,000
Percent of Total Queensland Production			1.2%

Note: Estimated TRC population total is based on the sample GVP total multiplied by the sampling fraction of 1.32 Queensland total GVP is based on sampled GVP from all TRCs multiplied by the sampling fraction of 1.32

Table 6.12 shows the mean and total number of customers per year for the Karumba TRC. There were an estimated 2,800 customers that chartered trips over the previous 12 months, representing around 0.8% of the Queensland charter business.

Table 6.12 Number of Customers Per Business Per Year

	Mean per Business	Sample Total	Estimated Total
Karumba TRC	349	1,745	2,792
QLD	1,335	259,930	343,100

Percent of Queensland 0.8%

*Note: Sample count=5. The estimated value is based on an estimated 8 businesses (table 6.1)
The estimated QLD count is based on an estimated 257 businesses.*

Table 6.13 shows the value of sales and the origin of customers visiting the Karumba TRC. Only 17.5% of charter income was local and only 3.7% of customers were overseas visitors. The majority of visitors that chartered trips from the Karumba TRC were Australians outside of Queensland (47.3%) and 31.5% were from within Queensland.

Table 6.13 Origin and Value of Customers

Origin	Sample Value of Sales	Mean Percent of Sample	Est. Value of all Sales
Local area	52,500	17.5	69,300
Queensland area	94,500	31.5	124,740
Outside Queensland	141,900	47.3	187,308
Overseas	11,100	3.7	14,652
Total Sales	\$300,000	100.0	\$396,000

Note: The sample value of sales is based on GVP as reported by businesses in the survey. The estimated value is the sample value multiplied by 1.32

Business Expenditure

Table 6.14 shows that approximately \$206,000 was spent by businesses in the Karumba TRC on business goods and services (excluding salaries and wages) over the previous year. The majority of this expenditure occurred in Karumba (44.6% or \$92,000), Normanton (12.8% or \$26,000) and Cairns (13.4% or \$28,000).

Table 6.14 Town Location of Business Expenditure (All costs, excluding salaries and wages)

Location of Expenditure	Sample Value of Expenditure	Percent of Sample	Est. Value Expenditure
Karumba	69,710	44.6	92,010
Cairns	20,944	13.4	27,644
Normanton	20,006	12.8	26,406
Victoria	11,879	7.6	15,679
Burketown	10,003	6.4	13,203
Mt. Isa	8,597	5.5	11,347
Brisbane	5,314	3.4	7,014
NSW	4,220	2.7	5,570
Townsville	2,501	1.6	3,301
Ingham	2,032	1.3	2,682
Mission Beach	1,250	0.8	1,650
Total Expenditure	\$156,300	100.0	\$206,300

*Note: Business expenditure includes all non-labour expenditure (ie. fuel, equipment, repairs etc)
Coefficients from the QLD input-output table for 1992-1993 indicate that expenditure on local intermediate purchases and imports, accounted for 52.1% of total revenue. The amount of business expenditure occurring within specific locations is based on 52.1% of the estimated GVP for the business.*

CHARTER-OPERATOR PROFILES

Town of Residence

Table 6.15 shows the primary towns that charter operators resided within. Most charter operators lived within the town of Karumba (66.7%).

Table 6.15 Town of Residence

Town of Residence	Sample Count	Percent of Sample
Karumba	4	66.7
Normanton	1	16.7
Burketown	1	16.7
Total	6	100.0

Months Employed in the Charter Industry

Table 6.16 indicates that the majority of charter operators within the Karumba TRC were employed in the industry between April and November during the 12 months prior to the survey. All operators were employed during May and June. At least 81% of charter operators in Queensland were employed during any month of the year, whereas within the Karumba TRC, only 50% of operators were employed during January and February.

Table 6.16 Months Employed in the Charter Industry (During Past 12 Months)

Months	Owner Operators (%)	All QLD Operators
January	50.0	81.0
February	50.0	81.5
March	66.7	85.7
April	66.7	89.4
May	100.0	92.6
June	100.0	92.6
July	83.3	92.6
August	83.3	93.7
September	66.7	95.2
October	83.3	93.7
November	83.3	91.5
December	66.7	86.8

Location of Household Expenditure

Table 6.17 shows the location of household expenditure derived from employment in the charter industry. Karumba received the majority of expenditure (40.5%), with the remaining expenditure being directed to 10 other Australian locations.

Table 6.17 Town Location of Household Expenditure (all commodities and services)

Location of Household Expenditure	Sample Value of Expenditure	Percent of Sample	Est. Value Expenditure
Karumba	52,488	40.5	69,255
Mt. Isa	18,792	14.5	24,795
Cairns	15,811	12.2	20,862
Normanton	10,757	8.3	14,193
VIC	10,498	8.1	13,851
Burketown	10,757	8.3	14,193
Brisbane	5,443	4.2	7,182
NSW	1,814	1.4	2,394
Ingham	1,166	0.9	1,539
Mareeba	907	0.7	1,197
Townsville	907	0.7	1,197
Total Expenditure	\$129,600	100.0	\$171,000

Note: The sample total personal income for the Karumba TRC was \$213,000. The Household Expenditure Survey for Queensland: 1993-1994 (ABS, 1996) indicates that for households in non-metropolitan areas 79% of gross weekly income was related to commodity and service purchases. Furthermore, of the total expenditure on commodities and services purchased by households, Queensland Input-Output tables indicate that 77% of expenditure occurs within Queensland, with the balance contributing to taxes and imports from outside Queensland. The sample value of expenditure was therefore calculated to be \$129,600. Estimated value of expenditure was calculated by multiplying the sample value of expenditure by 1.32

School and Employment Locations of Family Members

The town locations in which family members attended school or were employed are shown in Table 6.18. Karumba (50%) and Normanton (42.9%) were the main towns for schooling and employment of family members.

Table 6.18 School and Employment Locations of Family Members

Location of Employment or School	Sample Count	Percent of Sample
Karumba	7	50.0
Normanton	6	42.9
Burketown	1	7.1
Total Family Members	41	100.0

Note: Counts and percentages based on all immediate family members.

Social and Demographic Profiles

Table 6.19 provides owner-operator profile information for the Karumba TRC. For comparative purposes, information is also provided for all charter operators throughout Queensland. Charter operators within the Karumba TRC were all male, tended to be relatively newer to the region and industry and more likely to be employed in another industry, although less likely to have worked in another industry. They were educated only as far as year 10, and more likely to have completed other courses and have a business plan. Less were likely to be married, yet if so, then their spouses were more likely to have full-time employment, and be employed in the charter industry.

Table 6.19 Owner-Operator Profiles for the Karumba TRC

Profile	Owner-Operators	All QLD Operators
Estimated Number of Charter-owners	8	199
Mean age of operator	44	45.4
Age range	21-53	20-76
Percent males	100.0	93.8
Mean years resident in town	4.4	19.1
Mean number of years in charter industry	5.1	11.0
Mean hours per week in charter industry	46.5	50.7
Percent moved town to retain employment	16.7	14.0
Percent currently employed in other industry	83.3	46.1
Percent previously employed in other industry	66.7	93.7
Housing tenure (%)		
Rent	16.7	14.1
Mortgage	33.3	33.0
Own home	50.0	50.8
Other (eg, live with parents, on boat)	0.0	2.0
Educational		
Year completed school (%)		
Primary school	0.0	3.2
Year 8	20.0	3.2
Year 9	20.0	4.7
Year 10	60.0	32.6
Year 11	0.0	10.5
Year 12	0.0	45.8
Percent completed trade or TAFE certificate	16.7	52.2
Percent completed industry or business course	66.7	55.6
Percent with business plan	83.3	53.4
Marital Status		
Percent married or relationship	66.7	88.1
Partner's Income*		
Full-time employment	75.0	52.2
Part-time employment	0.0	23.3
Casual employment	25.0	8.8
Not employed	0.0	15.7
Family Composition		
Mean family size	2.5	3.2
Estimated number of total family members	15	596
Dependency Ratios		
Age Dependency Ratio**	21	21.7
Elderly Dependency Ratio	0	1.2
Child Dependency Ratio	21	20.6
Family Member Industry Dependency Ratio***	37.5	20.4
Gross Individual Income (%)		
Less than \$16,000	20.0	39.2
\$16,000 - \$26,000	40.0	22.2
\$26,000 - \$36,000	0.0	9.5
\$36,000 - \$52,000	0.0	13.3
\$52,000 - \$78,000	20.0	9.5
Over \$78,000	0.0	6.3
Average Income (\$)	36,000	28,000

Note: * Percentage based on those charter operators with partners. Includes partners income from all sources.

**The age dependency ratio is the number of children (below 15 years) and elderly persons (above 65 years) to every 100 persons in the population

*** The industry dependency ratio is the number of persons in the family who are over 15 years of age and working in the charter industry as a proportion of all family members over 15 years of age.