

Recreational Fishing Statistics

The following statistics are based on a percentage of the 642,000 recreational (rec) fishers in Queensland and their potential impact on Black Jewfish, Barramundi, Spanish Mackerel, King Salmon and Mud Crab stocks, calculations are noted from pages 3 to 6 respectively.

Black Jewfish

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	16 t	32 t	48 t	64 t	80 t
3,210	32 t	64 t	96 t	128 t	161 t
4,815	48 t	96 t	145 t	193 t	244 t
6,420	64 t	128 t	193 t	257 t	321 t
8,025	80 t	161 t	241 t	321 t	401 t

Barramundi

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	6 t	13 t	19 t	26 t	32 t
3,210	12.84 t	25.68 t	38.52	51.40 t	64 t
4,815	19 t	39 t	58 t	77 t	96 t
6,420	26 t	51 t	77 t	103 t	128 t
8,025	32 t	64 t	96 t	128 t	161 t

Spanish Mackerel

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	10 t	19 t	29 t	39 t	48 t
3,210	19 t	39 t	58 t	77 t	96 t
4,815	29 t	58 t	87 t	116 t	145 t
6,420	39 t	77 t	116 t	154 t	193 t
8,025	48 t	96 t	145 t	193 t	241 t

King Salmon

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	5 t	10 t	15 t	19 t	25 t
3,210	10 t	19 t	29 t	39 t	48 t
4,815	15 t	29 t	43 t	58 t	72 t
6,420	19 t	39 t	58 t	77 t	96 t
8,025	25 t	48 t	72 t	96 t	120 t

Mud Crab

Overall, it is very disappointing that bag limits for recreational fishers on proposed quota species are not being considered.

The expert panel believe that caution is needed as to not over allocate the total allowable commercial catch for Mud Crab. The attached figures lead, with multiple trips, to an over allocation to the amateur sector so the same caution should be heeded when allocating to the recreational fishing sector.

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	4 t	9 t	13 t	17 t	22 t
3,210	9 t	17 t	26 t	35 t	43 t
4,815	13 t	26 t	39 t	52 t	65 t
6,420	17 t	35 t	52 t	69 t	87 t
8,025	22 t	43 t	65 t	87 t	108 t
19,260	52 t	104 t	156 t	208 t	260 t
32,100	57 t	173 t	260 t	347 t	433 t
44,940	121 t	243 t	364 t	485 t	607 t
64,200	173 t	347 t	520 t	693 t	867 t

Mud Crab

No of Rec Fishers	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605	9 t	17 t	26 t	35 t	43 t
3,210	17 t	35 t	52 t	69 t	87 t
4,815	26 t	69 t	78 t	104 t	130 t
6,420	35 t	69 t	104 t	139 t	173 t
8,025	43 t	87 t	130 t	173 t	217 t
19,260	104 t	208 t	312 t	416 t	520 t
32,100	173 t	347 t	520 t	693 t	867 t
44,940	243 t	485 t	728 t	971 t	1,213 t
64,200	347 t	693 t	1,040 t	1,387 t	1,733 t

Attachments

Black Jewfish Scenario

No of Rec Fishers (%)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	16 t (16,050 kgs)	32 t (32,100 kgs)	48 t (48,150 kgs)	64 t (64,200 kgs)	80 t (80,250 kgs)
3,210 (½%)	32 t (32,100 kgs)	64 t (64,200 kgs)	96 t (96,300 kgs)	128 t (128,400 kgs)	161 t (160,500 kgs)
4,815 (¾%)	48 t (48,150 kgs)	96 t (96,300 kgs)	145 t (144,450 kgs)	193 t (192,600 kgs)	244 t (240,750 kgs)
6,420 (1%)	64 t (64,200 kgs)	128 t (128,400 kgs)	193 t (192,600 kgs)	257 t (256,800 kgs)	321 t (321,000 kgs)
8,025 (1.25%)	80 t (80,250 kgs)	161 t (160,500 kgs)	241 t (240,750 kgs)	321 t (321,000 kgs)	401 t (401,250 kgs)

Assumptions regarding catch:

- 10 kg fish weight.
- 0.25, 0.50, 0.75, 1.00 and 1.25% of all rec fishers (n = 642,000).
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in maroon) calculated as follows: 1,605 rec fishers * 10 kg per fish caught = 16,050 kgs or 16 t.

Barramundi Scenario

No of Rec Fishers (%)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	6 t (6,420 kgs)	13 t (12,840 kgs)	19 t (19,260 kgs)	26 t (25,680 kgs)	32 t (32,100 kgs)
3,210 (½%)	13 t (12,840 kgs)	26 t (25,680 kgs)	39 t (38,520 kgs)	51 t (51,360 kgs)	64 t (64,200 kgs)
4,815 (¾%)	19 t (19,260 kgs)	39 t (38,520 kgs)	58 t (57,780 kgs)	77 t (77,040 kgs)	96 t (96,300 kgs)
6,420 (1%)	26 t (25,680 kgs)	51 t (51,360 kgs)	77 t (77,040 kgs)	103 t (102,720kgs)	128 t (128,400 kgs)
8,025 (1.25%)	32 t (32,100 kgs)	64 t (64,200 kgs)	96 t (96,300 kgs)	128 t (128,400 kgs)	161 t (160,500 kgs)

Assumptions regarding catch:

- 4 kg fish weight.
- 0.25, 0.50, 0.75, 1.00 and 1.25% of all rec fishers (n = 642,000).
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in purple) calculated as follows: 1,605 rec fishers * 4 kg per fish caught = 6,420 kgs or 6 t.

Spanish Mackerel Scenario

No of Rec Fishers (%)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	10 t (9,630 kgs)	19 t (19,260 kgs)	29 t (28,890 kgs)	39 t (38,520 kgs)	48 t (48,150 kgs)
3,210 (½%)	19 t (19,260 kgs)	39 t (38,520 kgs)	58 t (57,780 kgs)	77 t (77,040 kgs)	96 t (96,300 kgs)
4,815 (¾%)	29 t (28,890 kgs)	58 t (57,780 kgs)	87 t (86,670 kgs)	116 t (115,560 kgs)	145 t (144,450 kgs)
6,420 (1%)	39 t (38,520 kgs)	77 t (77,040 kgs)	116 t (115,560 kgs)	154 t (154,080 kgs)	193 t (192,600 kgs)
8,025 (1.25%)	48 t (48,150 kgs)	96 t (96,300 kgs)	145 t (144,450 kgs)	193 t (192,600 kgs)	241 t (240,750 kgs)

Assumptions regarding catch:

- 6 kg fish weight.
- 0.25, 0.50, 0.75, 1.00 and 1.25% of all rec fishers (n = 642,000).
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in orange) calculated as follows: 1,605 rec fishers * 6 kg per fish caught = 9,630 kgs or 10 t.

King Salmon Scenario

No of Rec Fishers (%)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	5 t (4,815 kgs)	10 t (9,630 kgs)	15 t (14,445 kgs)	19 t (19,260 kgs)	25 t (24,075 kgs)
3,210 (½%)	10 t (9,630 kgs)	19 t (19,260 kgs)	29 t (28,890 kgs)	39 t (38,520 kgs)	48 t (48,150 kgs)
4,815 (¾%)	15 t (14,445 kgs)	29 t (28,890 kgs)	43 t (43,335 kgs)	58 t (57,780 kgs)	72 t (72,225 kgs)
6,420 (1%)	19 t (19,260 kgs)	39 t (38,520 kgs)	58 t (57,780 kgs)	77 t (77,040 kgs)	96 t (96,300 kgs)
8,025 (1.25%)	25 t (24,075 kgs)	48 t (48,150 kgs)	72 t (72,225 kgs)	96 t (96,300 kgs)	120 t (120,375 kgs)

Assumptions regarding catch:

- 3 kg fish weight.
- 0.25, 0.50, 0.75, 1.00 and 1.25% of all rec fishers (n = 642,000).
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in blue) calculated as follows: 1,605 rec fishers * 3 kg per fish caught = 4,815 kgs or 5 t.

Mud Crab Scenario 1

No of Rec Fishers (% of 642,000)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	4 t (4,334 kgs)	9 t (8,667 kgs)	13 t (13,001 kgs)	17 t (17,334 kgs)	22 t (21,668 kgs)
3,210 (½%)	9 t (8,667 kgs)	17 t (17,334 kgs)	26 t (26,001 kgs)	35 t (34,668 kgs)	43 t (43,335 kgs)
4,815 (¾%)	13 t (13,001 kgs)	26 t (26,001 kgs)	39 t (39,002 kgs)	52 t (52,002 kgs)	65 t (65,003 kgs)
6,420 (1%)	17 t (17,334 kgs)	35 t (34,668 kgs)	52 t (52,002 kgs)	69 t (69,336 kgs)	87 t (86,670 kgs)
8,025 (1.25%)	22 t (21,668 kgs)	43 t (43,335 kgs)	65 t (65,003 kgs)	87 t (86,670 kgs)	108 t (108,338 kgs)
19,260 (3%)	52 t (52,002 kgs)	104 t (104,004 kgs)	156 t (156,006 kgs)	208 t (208,008 kgs)	260 t (260,010 kgs)
32,100 (5%)	57 t (86,670 kgs)	173 t (173,340 kgs)	260 t (260,010 kgs)	347 t (346,680 kgs)	433 t (433,350 kgs)
44,940 (7%)	121 t (121,338 kgs)	243 t (242,676 kgs)	364 t (364,014 kgs)	485 t (485,352 kgs)	607 t (606,690 kgs)
64,200 (10%)	173 t (173,340 kgs)	347 t (346,680 kgs)	520 t (520,020 kgs)	693 t (693,360 kgs)	867 t (866,700 kgs)

Assumptions regarding catch:

- 900 gms * 3 crabs per trip = 2.7 kgs.
- 0.25, 0.50, 0.75, 1.00, 1.25, 3.00, 5.00, 7 and 10% of all rec fishers (n = 642,000) using 4 pots each.
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in green) calculated as follows: 1,605 rec fishers * 2.7 kg per crab caught = 4,334 kgs or 4 t.

Mud Crab Scenario 2

No of Rec Fishers (% of 642,000)	Tonnage Catch				
	1 trip per year	2 trips per year	3 trips per year	4 trips per year	5 trips per year
1,605 (¼%)	9 t (8,667 kgs)	17 t (17,334 kgs)	26 t (26,001 kgs)	35 t (34,668 kgs)	43 t (43,335 kgs)
3,210 (½%)	17 t (17,334 kgs)	35 t (34,668 kgs)	52 t (52,002 kgs)	69 t (69,336 kgs)	87 t (86,670 kgs)
4,815 (¾%)	26 t (26,001 kgs)	69 t (69,336 kgs)	78 t (78,003 kgs)	104 t (104,004 kgs)	130 t (130,005 kgs)
6,420 (1%)	35 t (34,668 kgs)	69 t (69,336 kgs)	104 t (104,004 kgs)	139 t (138,672 kgs)	173 t (173,340 kgs)
8,025 (1.25%)	43 t (43,335 kgs)	87 t (86,670 kgs)	130 t (130,005 kgs)	173 t (173,340 kgs)	217 t (216,675 kgs)
19,260 (3%)	104 t (104,004 kgs)	208 t (208,008 kgs)	312 t (312,012 kgs)	416 t (416,016 kgs)	520 t (520,020 kgs)
32,100 (5%)	173 t (173,340 kgs)	347 t (346,680 kgs)	520 t (520,020 kgs)	693 t (693,360 kgs)	867 t (866,700 kgs)
44,940 (7%)	243 t (242,676 kgs)	485 t (485,352 kgs)	728 t (728,028 kgs)	971 t (970,704 kgs)	1,213 t (1,213,380 kgs)
64,200 (10%)	347 t (346,680 kgs)	693 t (693,360 kgs)	1,040 t (1,040,040 kgs)	1,387 t (1,386,720 kgs)	1,733 t (1,733,400 kgs)

Assumptions regarding catch:

- 900 gms * 6 crabs per trip = 5.4 kgs.
- 0.25, 0.50, 0.75, 1.00, 1.25, 3.00, 5.00, 7 and 10% of all rec fishers (n = 642,000) using 4 pots each.
- of all recreational fishers (n = 642,000).
- No of fishing trips, 1 to 5.
- Trip 1, cell 1 (highlighted in green) calculated as follows: 1,605 rec fishers * 5.4 kg per crab caught = 8,667 kgs or 9 t.