



1946 16 1957 5 1968 5 1979 17

**Table 2: Reported landings (t) of trumpeter by QMA and fishing year, 1983–84 to 2004–05. The data in this table has been updated from that published in previous Plenary Reports by using the data through 1996–97 in table 41 on p. 288 of the “Review of Sustainability Measures and Other Management Controls for the 1998–99 Fishing Year – Final Advice Paper” dated 6 August 1998. There are no landings reported from TRU 10, which has a TAC of 0.**

Fishstock FMA	TRU 1		TRU 2		TRU 3		TRU 4		TRU 5	
	Landings	TAC	Landings	TAC	Landings	TAC	Landings	TAC	Landings	TAC
1982–83	0	-	5	-	3	-	0	-	0	-
1983–84	1	-	17	-	2	-	0	-	1	-
1984–85	0	-	15	-	3	-	0	-	4	-
1985–86	0	-	4	-	6	-	0	-	1	-
1986–87	0	-	4	-	5	-	0	-	5	-
1987–88	0	-	4	-	4	-	0	-	0	-
1988–89	0	-	7	-	1	-	0	-	0	-
1989–90	0	-	8	-	5	-	0	-	0	-
1990–91	3	-	16	-	13	-	5	-	0	-
1991–92	1	-	16	-	25	-	19	-	1	-
1992–93	3	-	21	-	21	-	4	-	1	-
1993–94	3	-	17	-	26	-	24	-	2	-
1994–95	2	-	20	-	27	-	65	-	5	-
1995–96	2	-	19	-	29	-	69	-	37	-
1996–97	2	-	16	-	35	-	33	-	42	-
1997–98	1	-	11	-	28	-	23	-	6	-
1998–99	<1	1	11	9	15	28	16	42	4	18
1999–00	<1	1	6	9	11	28	8	42	5	18
2000–01	<1	1	6	9	7	28	6	42	3	18
2001–02	<1	3	6	20	5	33	9	59	<1	22
2002–03	<1	3	7	20	7	33	32	59	1	22
2003–04	1	3	6	20	7	33	24	59	4	22
2004–05	<1	3	5	20	8	33	70	59	3	22

Fishstock FMA	TRU 6		TRU 7		TRU 8		TRU 9		Total	
	Landings	TAC	Landings	TAC	Landings	TAC	Landings	TAC	Landings	TAC
1982–83	0	-	0	-	0	-	0	-	8	-
1983–84	0	-	0	-	0	-	0	-	21	-
1984–85	0	-	0	-	0	-	0	-	22	-
1985–86	0	-	0	-	0	-	0	-	11	-
1986–87	0	-	2	-	0	-	0	-	16	-
1987–88	0	-	0	-	0	-	0	-	8	-
1988–89	0	-	1	-	0	-	0	-	9	-
1989–90	0	-	0	-	1	-	0	-	14	-
1990–91	0	-	7	-	0	-	0	-	44	-
1991–92	0	-	4	-	0	-	0	-	69	-
1992–93	0	-	4	-	2	-	0	-	56	-
1993–94	0	-	6	-	0	-	0	-	78	-
1994–95	0	-	4	-	0	-	0	-	123	-
1995–96	0	-	6	-	0	-	0	-	162	-
1996–97	2	-	3	-	<1	-	<1	-	133	-
1997–98	<1	-	3	-	<1	-	0	-	72	-
1998–99	0	0	3	2	<1	0	0	0	50	100
1999–00	0	0	2	2	<1	0	0	0	33	100
2000–01	0	0	3	2	<1	0	<1	0	25	100
2001–02	0	0	5	6	<1	1	0	0	25	144
2002–03	0	0	3	6	<1	1	<1	0	51	144
2003–04	0	0	2	6	<1	1	<1	0	44	144
2004–05	0	0	4	6	<1	1	0	0	90	144

### (b) Recreational fisheries

Results from two separate recreational fishing surveys undertaken in the 1990s are shown in Table 3. Most of the recreational catch was taken in QMAs 3, 5 and 7, with a marked increase in catch reported in QMA 5 in 1996 compared to the early 1990s. Provisional estimates of the tonnage of the recreational catch can be derived by multiplying the total number of fish by a mean weight of 1 kg. Note, however, this mean weight was derived from a sample of mainly small fish and is possibly unrepresentative, so an estimate of the recreational catch by weight may be an underestimate.

**Table 3: Estimated number of trumpeter caught by recreational fishers by QMA and survey. Surveys were carried out in different years in Ministry of Fisheries regions: South in 1991–92, Central in 1992–93, North in 1993–94 and National in 1996 (Bradford, 1998).**

FMA	Survey	Total	
		Number	c.v. (%)
1991-92			
FMA 3	South	6 000	29
FMA 5	South	6 000	33
FMA 7	South	8 000	–
1992-93			
FMA 2	Central	1 000	–
FMA 3	Central	3 000	–
FMA 5	Central	1 000	–
FMA 7	Central	0	–
FMA 8	Central	0	–
1993-94			
FMA 1+9	North	0	–
FMA 2	North	1 000	–
FMA 8	North	0	–
1996			
FMA 1	National	< 500	–
FMA 2	National	1 000	–
FMA 3	National	13 000	19
FMA 5	National	21 000	19
FMA 7	National	3 000	–

(c) **Maori customary fisheries**

The Maori customary take has not been quantified.

(d) **Illegal catch**

There is no quantitative information on illegal fishing activity or catch.

(e) **Other sources of mortality**

No quantitative estimates are available regards the impact of other sources of mortality on trumpeter stocks. Trumpeter principally occur at deep coastal reefs, where they are taken in net and line fisheries targeted at other species.

## 2. BIOLOGY

Trumpeter occur at several localities around the cool temperate Southern Hemisphere, including south Indian Ocean islands, southern Australia, New Zealand and South America.

In New Zealand they occur mainly from the Bay of Plenty southwards, reaching the Auckland Islands, but are seldom common. As in Australia, they are restricted to offshore reefs and rough ground to about 300 m, with juveniles (30–40 cm) in shallower coastal waters.

Adults reach about 1 m in length and 25 kg in weight, but their growth rate is unknown. There is little information on sex ratios and reproduction. Trumpeter feed on a wide range of molluscs, crustaceans, and fish.

There are no estimates of biological parameters relevant to stock assessment.

### 3. STOCKS AND AREAS

There are no data relevant to stock boundaries. Although trumpeter are potentially wide-ranging, their restriction to regions of rough seafloor suggests that there may be localised populations in suitable areas.

### 4. STOCK ASSESSMENT

#### (a) Estimates of fishery parameters and abundance

No estimates are available.

#### (b) Biomass estimates

No estimates are available.

#### (c) Estimation of Maximum Constant Yield (MCY)

No estimate of MCY is available.

The level of risk to the stock by harvesting trumpeter at recent catch levels cannot be determined.

#### (d) Estimation of Current Annual Yield (CAY)

No estimates of current biomass, fishing mortality, or other information are available which would permit the estimation of CAY.

#### (e) Other Factors

There is anecdotal information from Australia and New Zealand that localised populations of trumpeter can be quickly fished out. If increases in reported trumpeter landings are largely dependent on catches from similarly-exploited grounds, there is a strong likelihood that landings in the order of 100 t will not be sustainable in these areas.

### 5. STATUS OF THE STOCKS

No estimates of current and reference biomass are available.

It is not known if recent catch levels are sustainable or at levels that will allow the stock to move towards a size which will support the MSY.

**Summary of TACCs (t), and reported landings (t) of trumpeter for the most recent fishing year.**

Fishstock	FMA	2004-05 Actual TACC	2004-05 Reported landings
TRU 1	Auckland (East)	1	<1
TRU 2	Central (East)	2	5
TRU 3	South-east (Coast)	3	8
TRU 4	South-east (Chatham)	4	70
TRU 5	Southland	5	3
TRU 6	Sub-antarctic	6	0
TRU 7	Challenger	7	4
TRU 8	Central (West)	8	<1
TRU 9	Auckland (West)	9	0
TRU 10	Kermadec	10	0
Total		144	90



## 6. FOR FURTHER INFORMATION

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