

TFFC (Middelpunt) Fishery Report for the 2011/2012 Season

Summary

The last summer saw below average rainfall and higher temperatures but at least the dams benefitted from the exceptional rains of the 2011 summer, autumn and winter and remained full throughout the season. The incidence of anchor worm appeared to be lower than in the previous 2 seasons, but although grass carp had been removed from both dams 1 and 2 there were still a couple of parasitized fish caught in these two dams. The main impact of this parasite is seen from February to early April which makes stocking for the Easter break and the March/April holidays a problem.

A total of 2130 trout (rainbows & browns) were caught during the 2011/12 season of which 1414 (64%) were released. Average size of rainbows killed was 879g which was smaller than the previous season which was a result of the smaller size of fish stocked which averaged 646g.

1. Rainbows stocked vs. captured: 1994 - 2012

Season	No. stocked	No. killed	No. C&R*	% killed	% killed+C&R.
1994/5	3206	1923	454	60,0	74,1
1995/6	2684	1730	373	64,5	78,3
1996/7	2523	1864	518	74,1	94,4
1997/8	2599	1784	454	64,3	93,8
1998/9	2518	1188	708	47,2	75,3
1999/00	3352	1394	715	41,6	62,9
2000/01	3035	1778	1360	58,6	103,4
2001/02	2746	1714	1477	62,4	116,2
2002/3	2455	1454	850	59,2	93,8
2003/4	2349	888	576	37,8	62,3
2004/5	2400	1236	1063	51,5	95,8
2005/6	2480	1019	1142	41,1	87,1
2006/7	1495	715	860	47,8	105,4
2007/8	1861	861	1159	46,3	108,5
2008/9	1498	767	992	51,2	117,4
2009/10	1926	705	1014	36,6	89,3
2010/11	1844	802	1209	43,5	109,1
2011/12	2066	709	1374	34,3	100,8

*C&R = Catch & Release

2. Relationship between size of Rainbows stocked & recapture rate: 1994 – 2012

Season	Avg. size stocked - grams	% killed	% killed+C&R.
1994/5	530	60,0	74,1
1995/6	672	64,5	78,3
1996/7	718	74,1	94,4
1997/8	649	64,3	93,8
1998/9	596	47,2	75,3
1999/00	556	41,6	62,9
2000/01	759	58,6	103,4
2001/2	765	62,4	116,2
2002/3	734	59,2	93,8
2003/4	673	37,8	62,3
2004/5	721	51,5	95,8
2005/6	706	41,1	87,1
2006/7	755	47,8	105,4
2007/8	645	46,3	108,5
2008/9	768	51,2	117,4
2009/10	701	36,6	89,3
2010/11	813	43,5	109,1
2011/12	646	34,3	100,8

Although there is a strong correlation between size of fish stocked and recapture rate dry cycles coupled with high temperatures tend to drive recapture rates down while cooler summers result in lower mortality and therefore improved angling. In addition the impact of anchor worm had a negative effect from 2009 onwards.

3. All trout (rainbows + browns) stocked vs recapture rates: 1994 – 2012

Season	No stocked	No. killed	No. returned	No. killed + C&R
1994/5	3206	1923	454	2377
1995/6	2684	1730	373	2103
1996/7	2523	1864	518	2382
1997/8	2599	1784	454	2238
1998/9	2590	1188	708	1896
1999/00	3403	1417	766	2183
2000/01	3235	1807	1454	3261
2001/2	2891	1766	1622	3388
2002/3	2625	1516	940	2456
2003/4	2349	901	594	1495
2004/5	2521	1260	1131	2391
2005/6	2455	1050	1231	2281
2006/7	1645	732	941	1673
2007/8	2064	879	1178	2057
2008/9	1713	789	1072	1861
2009/10	2080	726	1047	1773
2010/11	1928	810	1248	2058
2011/12	2122	716	1414	2130

C&R= Catch & Release

4. Avg. length, CF & mass plus total mass killed (Rainbows): 1996 – 2012.

Season	Avg. length	Avg. CF	Avg. mass killed	Total mass killed
1996/7	41,5 cm	122	852g	1638 kg
1997/8	41,1 cm	117	824g	1426 kg
1998/9	41,5 cm	119	815g	968 kg
1999/00	39,7 cm	118	735g	1024 kg
2000/01	41,1 cm	122	841g	1495 kg
2001/2	41,8 cm	123	901g	1544 kg
2002/3	41,0 cm	120	837g	1216 kg
2003/4	40,2 cm	124	806g	706 kg
2004/5	40,5 cm	129	852g	1053 kg
2005/6	40,9 cm	126	860g	876 kg
2006/7	42,0 cm	126	936g	669 kg
2007/8	41,1 cm	119	818g	704 kg
2008/9	41,1 cm	121	836g	641 kg
2009/10	40,9 cm	123	842g	594 kg
2010/11	43,0 cm	119	955g	766 kg
2011/12	41,0 cm	127	879g	623 kg

5. Six largest fish in 2010/11.

Mass	Angler	Month	Dam	Species	CF	Length
3,000 kg	R.Bredenhan	Oct	3	Rainbow	114	64 cm
2,970 kg	S.Rogoff	Nov	3	Rainbow	125	62 cm
2,530 kg	V.Dean	Nov	3	Rainbow	106	62 cm
2,210 kg	L.van Deventer (visitor)	July	1	Rainbow	119	57 cm
2,200 kg	C.Arrandale	March	2	Rainbow	187	49 cm
2,175 kg	H.Damster	Dec	3	Rainbow	111	58 cm

6. Breakdown of 2011/12 results by dam: No. Stocked vs. Killed & C & R* – Rainbows only.

Dam	Stocked	Killed	Killed as % Stocked	C&R	C&R as % Stocked	C&R + Kill as % Stocked.
1	363	94	25,9	218	60,1	86,0
2	216	95	44,0	212	98,1	142,1
3	406	138	34,0	398	98,0	132,0
4	203	86	42,4	96	47,3	89,7
5	274	70	25,5	159	58,0	83,6
6	293	90	30,7	133	45,4	76,1
7	311	136	43,7	158	50,8	94,5
	1844	709	34,3	1374	66,5	100,8

*C&R= Catch & Release

7. Breakdown of 2011/12 results by dam: Length, CF & Weight – Rainbows only.

Dam	Mean Length cm	Mean CF	Mean Weight grams
1	40,8	130	882
2	41,0	130	896
3	42,9	127	1008
4	41,8	128	940
5	40,7	119	789
6	40,2	129	839
7	39,6	123	766
Middelpunt	41,0	127,3	879

8. Number of members compared with number visits

Year	1998/9	1999/00	2000/1	2001/2	2002/3	2003/4	2004/5	2005/6	2006/7	2007/8	2008/9	2009/10	2010/11
No. Members	90	91	91	95	95	95	100	100	100	110	110	110	110
No. Visits	500	542	617	623	603	439	479	476	388	453	432	394	446
Year	2011/2												
No. Members	110												
No. Visits	424												

In order to keep fees at a reasonable level the membership has been increased over the last 6-7 years but after a peak during 2000 to 2003 fishing pressure has remained level or actually declined during the last 5 - 6 seasons. The number of visits in the 2006/7 season was also well down because the clubhouse was closed for renovations during the winter of 2006.

A 'visit' is based on a form which is completed by each angler recording fish caught and this represents approximately 1,5 days angling effort. In theory nil returns should also be recorded but this is not always done.

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