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MINISTRY OF LIVESTOCK AND FISHERIES DEVELOPMENT

FISHERIES DEVELOPMENT DIVISION

FISHERIES ANNUAL STATISTICS REPORT- 2012

Fisheries Development Division

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FOREWORD

The Fisheries Annual Statistical Report is prepared annually by Fisheries Development Division of the Ministry of Livestock and Fisheries Development; it contains updated information on the following fisheries categories;

- Capture fish production;
- Frame Survey information;
- Export data;
- Import data;
- Fish consumption;
- Fisheries protection and Licensing information;
- EEZ data; and
- Aquaculture production.

The reports are presented in summary tables, chart, and histograms of key information on; Annual fish production data, in quantity of major groups of fish species by water bodies, economic value of production data for major and minor water bodies for 2012 in. Imports and Exports of fishery products in terms of quantity and value are briefly elaborated in this report. The report gives summary statistics for apparent consumption of fish and fishery products, it includes a brief overview of summary tables and graphs of major trends (2001 – 2012) and issues relating to the individual statistical sets, levels of fishing activity (fishing effort) accompanied by, aquaculture production in terms of number of fish farmers, stocking density and quantity produced by district as well as notes on fish consumption.

Data of fishing effort were compiled from frame survey, fish producing factors, fishing vessels and gears by type and size at all landing sites. Fish production information from artisanal fisheries, Import and Export data, Monitoring and Surveillance information were also elaborated in this report. Aquaculture and EEZ have been collected from Aquaculture Development Department and Deep Sea Fishing Authority respectively.

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1.0 INTRODUCTION

1.1 Overview of Tanzania Fisheries

Tanzania is a coastal state on the Western Indian Ocean situated in the Eastern part of Africa. It is richly endowed with natural water resources from lakes, rivers, dams and Indian Ocean. The country has a total area of 947,300 km², water covers 61,500km², (6.4 %) while land masses covers 885,800 km² (93.6%) according to Economic Reports of Tanzania 2012.

Tanzania shares three major inland lakes in Africa (Table 1). Lake Victoria is by far the largest and economically most significant for the national fisheries (shared by Kenya and Uganda) and it is the second largest fresh water lake in the world. Lake Tanganyika (shared with Burundi, DRC and Zambia) is the second deepest lake in the world and Lake Nyasa is shared by Malawi, and Mozambique. There are also other inland water bodies, minor lakes, rivers, dams, ponds and wetlands. For that matter the country is rich in fishery resources (Table 2).

Table 1: Country's water bodies distribution

Water body	Total Area (km²)	Tanzanian share (area in km²)	Percentage (%)
Lake Victoria	68,800	35,088	51
Lake Tanganyika	32,900	13,489	41
Lake Nyasa	30,800	5,760	20
Marine (Territorial sea)	64,000	64,000	100
EEZ	223,000	223,000	100
Other inland water bodies	5,000	5,000	100

Table 2: Estimated Tanzania fisheries potential

Water body	Total Area (km²)	Tanzania share (area km²)	Coverage (%)	Estimated Fisheries Resource Potential (Tones)
Lake Victoria	68,800	35,088	51	1,944,444 (2011)
Lake Tanganyika	32,900	13,489	41	295,000 (1998)
Lake Nyasa	30,800	5,760	20	168,000 (1994)
Marine (Territorial sea)	64,000	64,000	100	100,000 (1970's)
EEZ (Deep sea)	223,000	223,000	100	Unknown
Other inland water bodies	5,000	5,000	7	30,000 (1970's)

Table 3: Major and minor water bodies

WATER BODIES (MARINE AND INLAND WATER BODIES)		
TYPE OF WATER BODY	WATER BODY	REGION
MAJOR WATER BODIES	Indian Ocean	Mtwara,Lindi,DSM,Coast and Tanga
	Lake Victoria	Mwanza,Kagera and Mara
	Lake Tanganyika	Kigoma and Rukwa
	Lake Nyasa	Mbeya,Ruvuma and Iringa
	Lake Rukwa	Mbeya and Rukwa
MINOR WATER BODIES	Mtera Dam	Dodoma and Iringa
	Nyumba ya Mungu	Moshi and Arusha
	Lake Babati	
	Lake Basuto	
	Lake Tlawi	
	Lake Eyasi	
	Lake Natroni	Arusha
	Nondwa Dam	
	Bahi Dam	
	Hombolo Dam	
	Kisaki Dam	Dodoma
	Lake Kitangiri	
	Mgori Dam	
	Mianji Dam	
	Chibumagwa Dam	
	Lake Singidani	
	Lake Kindai	
	Lake Kibwi	Singida
	Igombe River	
	Ugala River	
	Maboha River	
	Shela River	Tabora

Mwamapuli River	
Sola Dam	Shinyanga
Mhumbu Dam	
Ning'wa Dam	
Songwa Dam	
Mwadui Dam	
Igundu Dam	
Kihanga Dam	Iringa
Ngwazi Dam	
Nzivi Dam	
Mara River	Mara
Lubanda River	
Kiarano Dam	
Simiyu River	Mwanza
Mirongo River	
Malya Dam	
Lake Ikimba	Kagera
Ruvuma River	Ruvuma
Ruhusu River	
Malagarasi River	Kigoma
Luche River	
Nguluka Dam	
Kyungululu Dam	Mbeya
Mbaka River	
Ruhuhu River	
Songwe River	
Kiwira River	
Lukuledi River	Lindi
Matandi River	
Mbwemkulu River	

Umba River	
Rufiji River	Pwani
Wami River	
Ruvu River	
Lake Mteke	
Lake Nyatupa	
Lake Uba	
Lugongwe Dam	
Weme Dam	
Luwe Dam	
Ilu Dam	
Zumbi Dam	
Umwe Dam	
Lungola Dam	
Pangani River	Tanga
Buhuli Dam	
Zigi Dam	
Mindu Dam	Morogoro
Kidatu Dam	
Kilombero River	
Mgeta River	
Mkata River	
Ruhuhu River	

1.2 Main Fisheries Resources

The artisanal fishery in Tanzania is the most important fisheries as it lands most of the inland and the marine catches and contributes to creating employment, food, foreign exchange earnings and recreation. The capture fishery of Tanzania is divided into two components, the freshwater and marine waters. This fishery is dominated by fishing vessels mostly small ranges between 6 to 11 m long, mainly motorized by outboard engines and few have inboard engines, other crafts used including dugout canoes of 3 – 5 meters long.

1.3 The fishery resources in Tanzania are the following:

- (i) Major lakes (Victoria, Tanganyika and Nyasa): All fin fish and sardines;
- (i) Marine Territorial Waters: Shellfish and finfish;
- (ii) Marine Exclusive Economic Zone: Mainly fin fish – tuna and tuna-like species these are mostly captured by Distant Water Fishing Nations. However, plans are underway, to encourage Tanzanian fishers to secure some financial assistance so that they can be able to fish in the EEZ.

Table 4: Checklist of exploited Fish Species in Marine Water

No.	Common /English Name	Latin /Scientific Name	Swahili Name
1.	Thumbprint emperor	<i>Lethrinus rhodopterus</i>	Changu
2.	Peacock grouper	<i>Cephalopholis argus</i>	Chewa
3.	Yellowfin fusilier	<i>Caesio xaenithonotus</i>	Mbono
4.	Dogtooth tuna	<i>Gymnasada nuda</i>	Jodari
5.	Slender silver-biddy	<i>Gerres oblongus</i>	Chaa
6.	Giant tiger prawn	<i>Penaeus bubulus</i>	Kamba mti
7.	Ornate spiny lobster	<i>Panulirus ornatus</i>	Kamba koche
8.	Blue- tail mullet	<i>Oedalechilus kesteveni</i>	Mkizi
9.	Freckled gotfish	<i>Upeneus oligospirus</i>	Mkundaji
10.	Japanese threadfin bream	<i>Nemipterus japonicus</i>	Koana
11.	White-spotted octopus	<i>Octopus chromatus</i>	Pweza
12.	East African sardinella,	<i>Sardinella neglecta</i>	Dagaa-papa
13.	Carolines parrotfish	<i>Carrotomus spinidens</i>	Pono
14.	King fish	<i>Scomberomorus plurilineatus</i>	Nguru
15.	Indian Mackerel	<i>Restrelliger chrysozonus</i>	Vibua
16.	Indian Squids	<i>Loligo duvauceli</i>	Ngisi
17.	Silky shark	<i>Carcharinus falciformis</i>	Dagaa-Papa
18.	Commerson's anchovy	<i>Anchoviella commersonii</i>	Dagaa-mcheli
19.	White-spotted spine foot	<i>Siganus oramin</i>	Tasi
19	Obtuse barracuda	<i>Sphyrnaella chrysotaenia</i>	Msusa/Mzia
20	Tille travelly	<i>Caranx cynodon</i>	Kolekole
21	Sleek unicornfish	<i>Naso hexacanthus</i>	Puju
22	Giant catfish	<i>Arius serratus</i>	Hongwe
23	Milk fish	<i>Chanos chanos</i>	Mwatiko
24	White-fin Wolf herring	<i>Chirocentrus dorab</i>	Mkongwe

25	Cock grunter	<i>Pomadasys multimaculatum</i>	Karamamba
26	Black- barred halfbeak	<i>Hemiramphus commersoni</i>	Chuchunge
27	Sword fish	<i>Xiphias gladius</i>	Nduwaro
28	Unicorn leatherjacket	<i>Alutera monoceros</i>	Kikande
29	Cobia	<i>Rachycentron canadum</i>	Songoro
30	Feathertail stringray	<i>Hypolophus sephen</i>	Taa
31	Jarbua terrapin	<i>Holocentrus servus</i>	Kui
32	Bengal snapper	<i>Lutjanus bengalensis</i>	Janja

Table 5: Checklist of the exploited fish Species in Inland water

No.	Common / FAO Name	Latin/ Scientific Name	Swahili/local Name	Water body
1	Nile perch	<i>Lates stappersii</i>	Mgebuka/Mkeke/Mvolo	Lake Tanganyika
2		<i>Lates angustifrons</i>	Sangara	
3		<i>Lates mariae</i>	Sangara /Ng'omba	
4		<i>Lates microlepis</i>	Sangara/Nonzi	
5	Tilapia	<i>Oreochromis tanganicae</i> (<i>Serotheron</i>)	Ngege	
6		<i>Boulengerochromis microlepis</i>	Kuhe/Inkumpi	
7	Lake Tanganyika Sprat	<i>Stolothrissa tanganicae</i>	Dagaa	
8	Lake Tanganyika Sardine	<i>Limnothrissa miodon</i>	Dagaa/Lumbu	
9	Catfish	<i>Clarias gariepinus</i>	Kambale,Mumi	
10		<i>Labeo lineatus</i>	Mbiligi	
11		<i>Synodontis lacustricolus</i>	Ngogo/Gogogo/Kolokolo	
12		<i>Bagrus docmak</i>	Mbofu,Kibogobogo	
13		<i>Bathybates spp</i>	Mbanga/Lembela	
14		<i>Hemibates stenosoma</i>	Mpande	
15		<i>Hydrocynus vittatus (tiger fish)</i>	Manje	
16			<i>Malapterurus electricus</i>	
17	Nile perch	<i>Lates niloticus</i>	Sangara	Lake Victoria
18	Tilapia	<i>Oreochromis niloticus</i>	Sato/Perege	
19		<i>Tilapi zillii</i>	Sato	
20		<i>Oreochromis rukwaensis</i>	Sasala	
22		<i>Oreochromis leucostictus</i>	Satu, Ngege	
23		<i>Balirius tanganicae</i>	Mbasa	
24		<i>Tilapia rendalli</i>	Kayabo	
25		<i>Cintharinus gibbosus</i>	Imbasa, Kukulu	
26	Catfish	<i>Clarias theodora</i>	Kambale	
27		<i>Clarias liocephalus</i>	Kambale	
28		<i>Clarias gariepinus</i>	Kambale	
29	<i>Protopterus</i>	<i>Protopterus aethiopicus</i>	Kamongo, Kambale mamba	

30	Haplochromines	<i>Astatotilapia nubile</i>	Furu	
31		<i>Haplochromis pallidus</i>	Furu	
32		<i>Haplochromis obesus</i>	Furu	
33		<i>Haplochromis bloyeti</i>	Furu	
34	Spider prawns	<i>Nematopalaemon tenuipes</i>	Uduvi	
35	Lake Victoria sardine	<i>Ostrothrissa miodon</i>	Dagaa	
36	Lake Victoria sardine	<i>Rastrineobola argentea</i>	Dagaa	
37	Tilapia	<i>Oreochromis sp.</i>	Magege	Lake Nyasa
38		<i>Rhamphochromis</i>	Ngelwa	
39	Minor Cichlid	<i>Opsaridium sp.</i>	Mbelele/Mbasa	
40		<i>Haplochromis sp.</i>	Utapi	
41	Catfish	<i>Bathclarius nyasensis</i>		
42	Sardine	<i>Engraulicypris sp.</i>	Usipa/dagaa	
43		<i>Labeo</i>	Ningu	
44		<i>Synodontis</i>	Ngogo	
45		<i>Bagrus</i>	Mbofu	
46		<i>Oreochromis urolepis</i>	Perege	Mtera dam
47		<i>synodontis</i>	Kambale	
48		<i>hydrocynus</i>	Mchena	
49		<i>Clarias sp.</i>	Ngogo	
50		<i>Bagrus</i>	Vitoga	
51			Kimbumbu	
52			Sulusulu	
53			Mbapala	
54			Ningu	
55			Ngarara	
56			Ngobero	

In 2012 the total fish production was 365,023 metric tons valued at 1,307,131,723.7 T.Sh (Table 6), of which about 86% was from freshwater and the remaining 14 % was from the marine waters (Fig. 1).

Table 6: Total fish production from all major water bodies in Tanzania (marine and inland) for 2012

Water bodies	Numbers		Estimated Fish Catches and Values	
	Fishers	Fishing crafts	Catches in (m tons)	Values in Tsh.s
Lake Victoria	101,250	28,470	238,365.93	876,855,291.31
Lake Tanganyika	26,612	11,506	59,394.60	190,062,720.00
Lake Nyasa	5,550	2,632	10,890.00	39,959,000.00
Lake Rukwa	3,428	1,786	3,964.74	12,687,168.00
Mtera Dam	2,487	1,586	989.80	6,091,301.42
Nyumba ya Mungu Dam	786	502	251.00	251,000.00
Lake Kitangiri	1,700	825	317.40	666,540.00
Lake Singidani	62	19	143.00	429,000.00
Lake Kindai	46	15	73.00	226,300.00
Lake Burunge	195	110	44.60	133,800.00
Minor waters	4,304	1,870	509.93	1,987,804.00
Small scale Marine	36,321	7,664	50,079.38	177,781,799.00
Grand Total	182,741	56,985	365,023	1,307,131,724

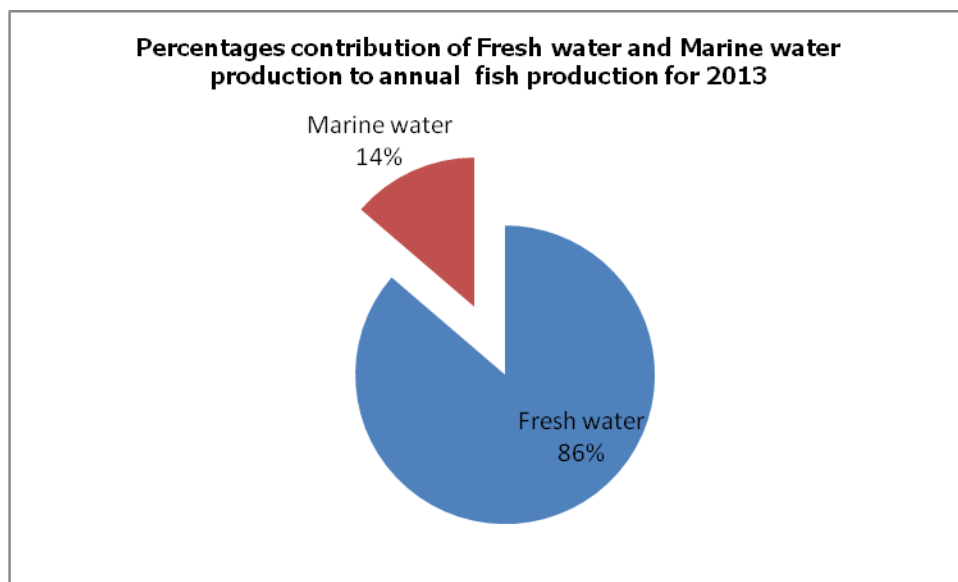


Figure 1: Percentages contribution of Fresh water and Marine water production to annual fish production for 2012

2.0 OVERVIEW FISHERIES STATISTICS

2.1 Fishing Landing site

A total number of 1,384 landing sites were recorded in 2012 giving a 3% increase from the 2011 frame survey. Since 2005 there has been a steady increase in the number of landing sites in all water bodies (Table 7).

The highest number of landing sites is found in Lake Victoria (609^{2012 FS}), others are Marine (257^{2009 FS}), Lake Tanganyika (239^{2010 FS}), Lake Nyasa (114^{2011 FS}), Lake Rukwa (72^{2013 FS}), Mtera dam (27^{2011 FS}), Nyumba ya mungu dam (21^{2010 FS}) and Minor water (18)¹

¹ Minor water bodies include Lake Jipe^{2010 FS}, Lake Kitangiri, Lake Babati, Lake Kindai^{2010 FS} and Lake Burunge etc.

Table 7: Grand summary of all Artisanal fisheries for 2012

WATER BODIES	Marine	L. Victoria	L.Tanganyika	L. Nyasa	L. Rukwa	Nyumba	Minor water	Mtera Dam	Totals
						ya Mungu			
NUMBER OF LANDING SITE	257	609	239	114	72	21	18	27	1,384
NUMBER OF FISHERS	36,321	101,250	26,612	5,550	3,428	786	6,307	2,487	182,741
NUMBER OF FISHING VESSELS	7,664	28,470	11,506	2,632	1,786	502	2,839	1,586	56,985
WEIGHT IN M. TONS	50,079.38	238,365.93	59,394.60	10,890.00	3,964.74	251	1,087.93	989.80	365,023
VALUE IN 000's TShs	177,781,799.00	876,855,291.31	190,062,720.00	39,959,000.00	12,687,168.00	251,000.00	3,443,444.00	6,091,301.42	1,307,131,724
GEARS IN USE									
NUMBER OF GILL NETS	19,940	352,117	523,856	11,582	21,281	856	348	63,189	995,467
NUMBER SHARK NETS	3,733	-	-	-	-	-	-		3,733
NUMBER OF BEACH SEINS	768	8,019	-	12	344	80	123	211	9,558
NUMBER OF SCOOP NETS	40	545	82	-	-	-	-		667
NUMBER OF CAST NETS	229	94	-	4	-	2	-		329
NUMBER OF APPOLLO LIFT NETS	-	-	66	-	-	-	-		66
NUMBER OF LIFT NETS	-	45	1,664	-	-	-	-	3,802	5,511
NUMBER OF LAMPS	-	-	11,929	-	-	-	-		11,929
NUMBER OF RING NETS	1,241	-	185	1	-	-	-	7,761	9,188
NUMBER OF DAGAA SEIN NETS	-	7,834	-	728	-	-			8,562
NUMBER OF HAND LINES	13,955	16,754	13,048	284	15,000	5	33,955	1,907	94,908
NUMBER OF LONG LINES	9,437	6,359,887	600	157,648	885	949	8,677	155,851	6,693,934
NUMBER OF TRAPS	4,674	928	22	71	2,820	2,677	31	240	12,527
NUMBER OF SPEARS	1,315	-	-	-	-	-	-	7	1,322
NUMBER OF PURSE SEINES	-	-	-	1,120	-	-	-		1,120
NUMBER OF TRAWLERS	3	-	-	-	-	-	-		3

OTHER GEARS (HAND HELD NETS & MONOFILAMENTS)	-	2,905	-	-	-	-	-	2,905
ENGINES							-	-
No. OF OUTBOARD ENGINES	737	8,081	1,002	15	12	-	-	9,850
No. OF INBOARD ENGINES	94	-	-	-	-	-	-	94

¹ Minor water bodies include Lake Jipe ^{2010 FS}, Lake Kitangiri, Lake Babati, Lake Kindai ^{2010 FS} and Lake Burunge etc.

2.2 Fishers

The fisheries sector provides a source of employment and livelihood to a substantial number of people. About **182,741** people are engaged on full-time basis out of this about **175,077** and **7,664** are involved in fresh water and marine fishing respectively, while approximately more than 4 million people make their livelihoods through various fisheries-related activities, such as; boat building, net making, fish processing and food marketing. There is a steady rise in number of fishers and fishing vessels over the years, this evident since 2003 (Fig. 2).

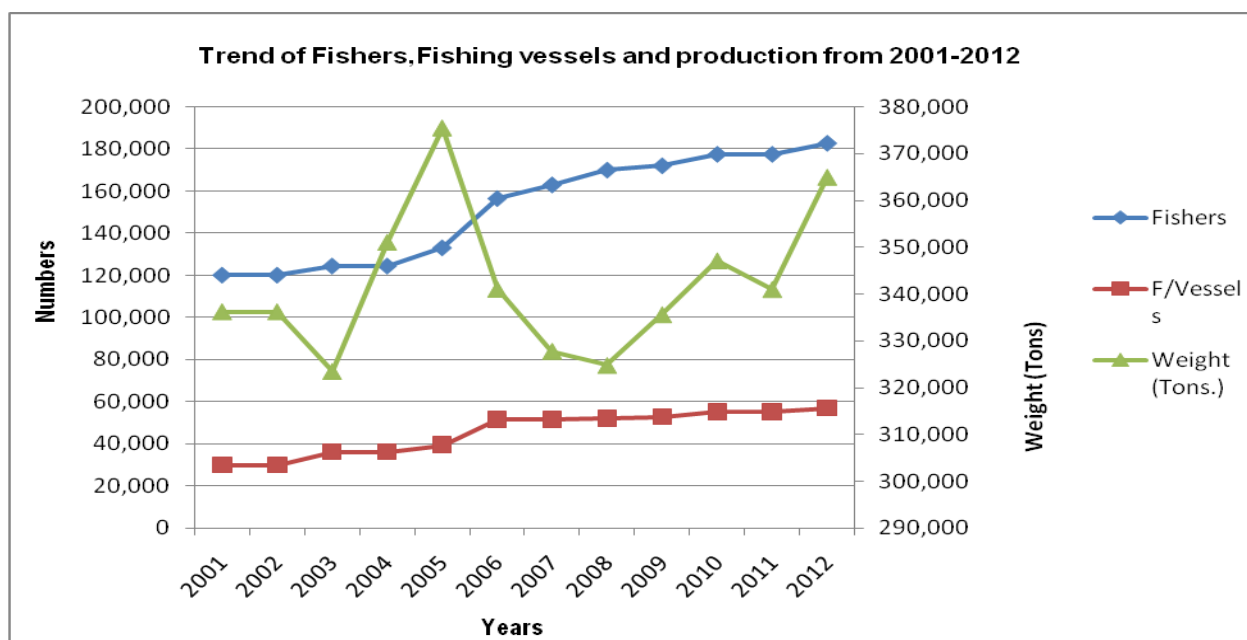


Figure 2: Trend of fishers and fishing vessels from 2001-2012

2.3 Fishing Gears

The common fishing gears used by artisanal fishers according to frame surveys are; Long lines (6,693,934), Gill nets (995,467), Hand lines (94,908), Traps 12,527, Ring nets (9,188), Dagaa Seine Nets 8,562 Lift nets (5,511) and Shark nets (3,733) (Fig.3 and Table 8). Other gears used are Appollo Lift nets in Lake Tanganyika, Purse Seines, Cast nets, Spears Monofilament nets and Scoop nets.

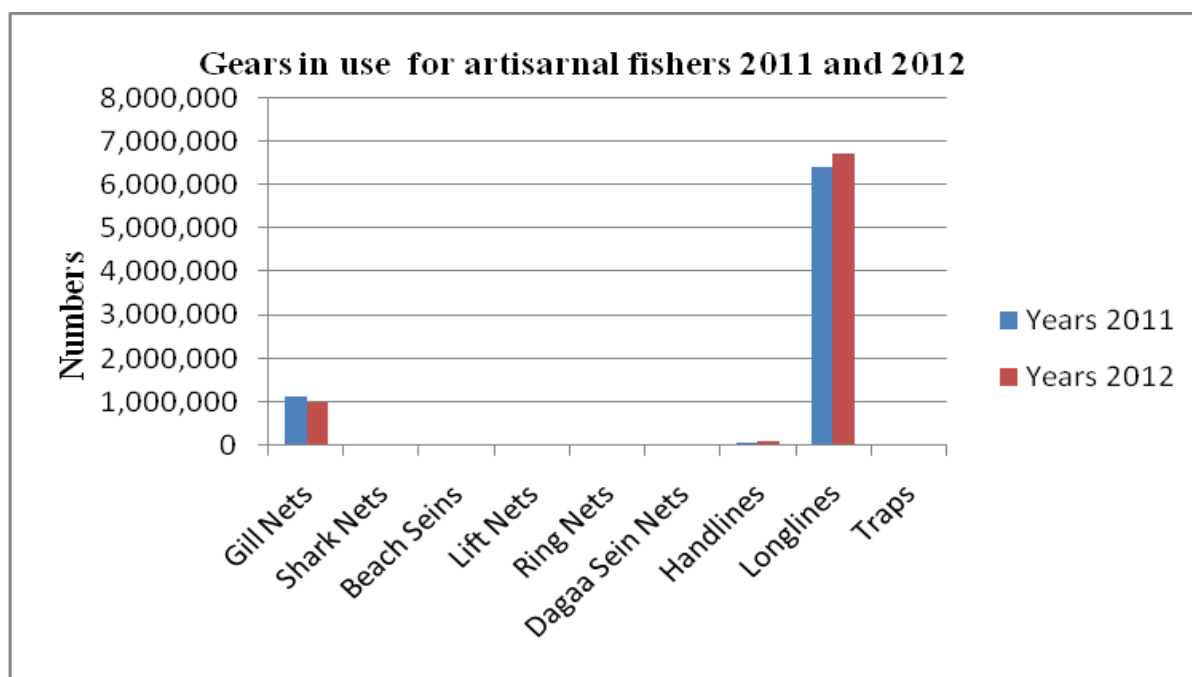


Figure 3: Fishing gears in use for artisarnal fishers

2.4 Fisheries Economics.

Fisheries production contributed to 1.42 % to GDP in 2011 (Fig.4), a decline from 1.81 % in 1999, but has shown a steady growth in line with the national trends in GDP, suggesting the sector has a balanced economy (Fig. 5).

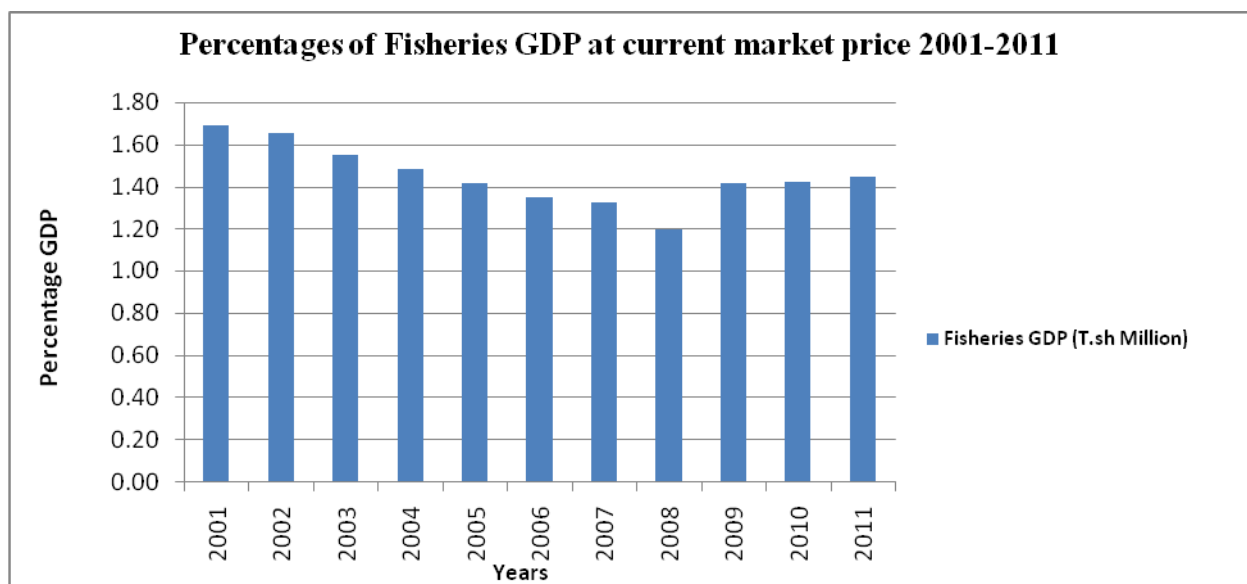


Figure 4: Trend of percentages of Fisheries Gross Domestic at current market price from 2001-2011

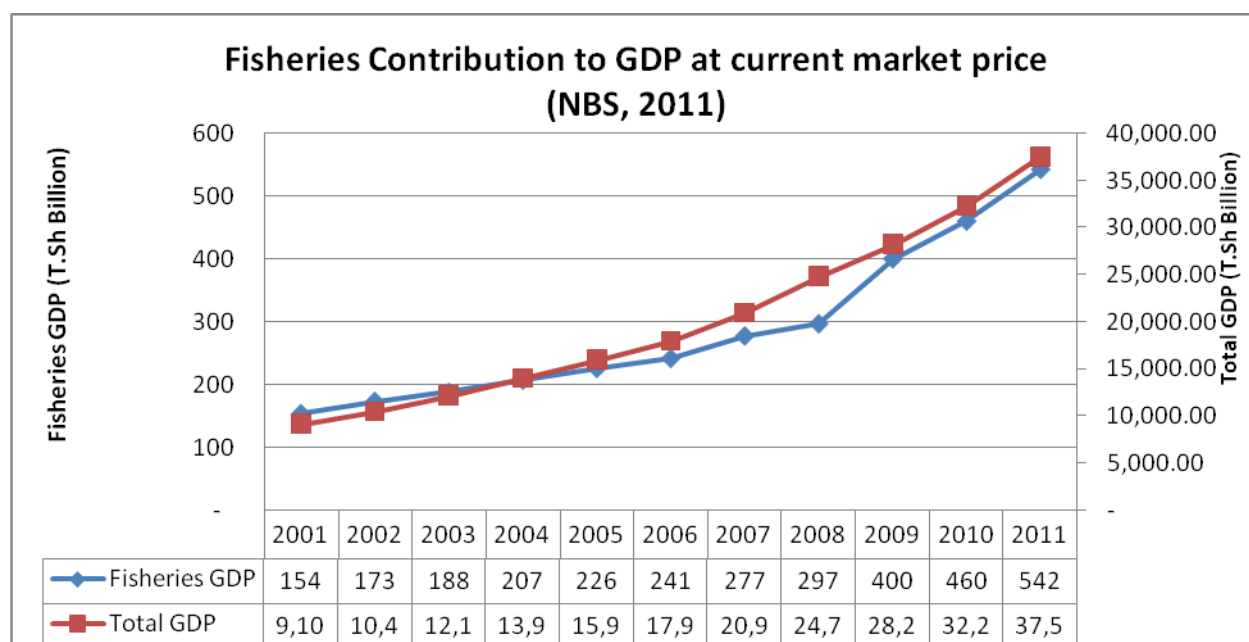


Figure 5: Trend of Fisheries contribution to total GDP of all economic activity from 2001-2011

2.5 Fish consumption

Fish and fishery products represent a very valuable source of protein and essential micronutrients for balanced nutrition and good health. In 2010, fish accounted for 16.6 % of the world population's intake of animal protein and 6.5 % of all protein consumed. Globally, fish provides about 3.0 billion people with almost 20 % of their intake of animal protein, and 4.3 billion people with about 15 % of such protein (FAO Statistics Year book 2010).

Fish provides around 55% of the animal protein consumption in Tanzania in 2011, studies suggest "dagaa" being particularly important for low-income consumers. However, the per capita animal protein from fish has shown a declining

trend to 7.6 kg/capita in 2012 (Table 9), This is below the FAO recommended consumption of 18 kg/capita/yr and it is the aim of the Fisheries Policy to increase this.

Table 8: Estimation of fish consumption for 2012

Population size	44,929,002
Imports of fish/fish products for direct human consumption(kg)	4,885,689.00
National fisheries production(kg) (capture production)	373,214,217.87
Aquaculture production (Tilapia & others)	3,628,500.00
Export of fish/fish production in kg	41,394,267.86
Aquaculture export (mainly prawns)	116,688
National fish consumption (kg)	340,217,451.01
Per capital fish consumption (kg)	7.6

3.0 SUMMARY OF FISHERIES STATISTICS FOR 2012

Table 9: Grand summary for fisheries statistics 2012

ITEM	FRESH WATERS	MARINE WATERS	TOTAL
NUMBER OF FISHERS	146,420	36,321	182,741
NUMBER OF FISHING VESSELS	49,321	7,664	56,985
WEIGHT OF FISH IN M. TONS	314,944.00	50,079.38	365,023.38
VALUE OF FISH IN 000'S TSHS	1,129,349,924.72	177,781,799	1,307,131,723.72
GEARS IN USE			
NUMBER OF GILL NETS	975,527	19,940	995,467
NUMBER SHARK NETS	0	3,733	3,733
NUMBER OF BEACH SEINES	2,639	768	3,407
NUMBER OF SCOOP NETS	627	40	667
NUMBER OF CAST NETS	100	229	329
NUMBER OF APPOLLO LIFT NETS	66	0	66
NUMBER OF LIFT NETS	1,758	0	1,758
NUMBER OF LAMPS	11,929	0	11,929
NUMBER OF RING NETS	186	1,241	1,427
NUMBER OF DAGAA SEINE NETS	14,692	0	14,692
NUMBER OF HOOKS/HAND LINES	80,115	13,955	94,070
NUMBER OF LONG LINES	6,528,646	9,437	6,538,083
NUMBER OF TRAPS	7,732	4,674	12,406
NUMBER OF SPEARS	0	1,315	1,315
NUMBER OF PURSE SEINES	1,120	0	1,120
NUMBER OF TRAWLERS	0	3	3
MONOFILAMENTS NETS	2,905		2,905
ENGINES			0
NUMBER OF OUTBOARD ENGINES	9,932	737	10,669
NUMBER OF INBOARD ENGINES	0	94	94

4.0 FISHERY STATISTICS BY WATER BODIES FOR 2012

4.1: LAKE VICTORIA FISHERY STATISTICS

Table 10: Artisanal Fisheries Statistics for Lake Victoria, 2012

Item	Kagera	Mara	Mwanza	Totals
Total number of Landing sites	171	146	285	602
Total number of Fishermen	22,930	25,378	52,942	101,250
Total number of Fishing vessels	7,183	6,807	14,480	28,470
Total weight of fish catch (Tonnes)	31,957.49	62,403.15	144,005.25	238,365.9
Total value of fish in 000's TShs.	117,559,159.40	229,556,841.97	529,739,143.95	876,855,291.31
Number of Fishing gears by type and size				
Number of Gill nets	92,969	84,997	174,151	352,117
Number of Traps	269	152	476	928
Number of hand lines	3,187	6,487	7,080	16,754
Number of Long lines	1,277,056	1,703,357	3,379,474	6,359,887
Number of Beach seines	484	514	1,081	2,079
Number of Scoop nets	533	10	2	545
Number of cast nets	45	23	26	94
Number of Lift nets	14	0	31	45
Number of Small seine (Dagaa seine)	1,645	1,648	4,726	8,019
Others (unspecified)	1188	2,629	4,127	2,905
Engines				
Number of Outboard engines	2,181	1,209	4,691	8,081
Number of Inboard engines	0	0	0	0

Table 11: Weight of fish caught in metric tons for Kagera region by district and by species for 2012

KAGERA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Chato	5,932.86	4,032.52	107.84	35.02	36.91	97.23	19.94	0.0	10,262.33
Bukoba	607.38	193.17	2,262.86	90.28	28.18	12.30	27.88	1.09	3,223.14
Muleba	12,568.24	98.22	5,498.20	159.93	25.60	9.82	110.82	1.19	18,472.03
Sub Total	19,108.48	4,323.91	7,868.90	285.24	90.68	119.35	158.64	2.28	31,957.49

Table 12: Value of fish caught in Kagera region in 000's tshs by district and by species for 2012

KAGERA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Chato	21,824,662	14,834,084	396,719	128,833	135,768	357,668	73,358	0	37,751,093
Bukoba	2,234,328	710,591	8,324,168	332,120	103,651	45,256	102,556	4,015	11,856,683
Muleba	46,233,656	361,317	20,225,742	588,327	94,161	36,132	407,668	4,380	67,951,383
Sub Total	70,292,647	15,905,992	28,946,629	1,049,280	333,580	439,055	583,582	8,394	117,559,159

Table13: Weight of fish caught in metric tons for Mara region by district and by species for 2012

MARA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Bunda	1,302.1	4,328.4	0.0	41.1	59.1	4.2	22.1	0.0	5,757.0
Musoma	6,748.8	939.0	8,512.4	291.8	39.2	4.1	20.4	0.0	16,555.7
Tarime	4,586.0	4,991.8	14,533.0	50.0	32.9	1.0	44.1	0.0	24,238.9
Rorya	7,351.1	1,782.7	5,056.8	1,325.7	246.8	35.6	33.5	19.3	15,851.5
Sub Total	19,988.0	12,042.0	28,102.2	1,708.6	378.1	44.9	120.1	19.3	62,403.1

Table 14: Value of fish caught in Mara region in 000's tshs by district and by species for 2012

MARA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Bunda	4,789,937	15,922,489	0	151,206	217,447	15,475	81,351	0	21,177,904
Musoma	24,826,261	3,454,303	31,313,622	1,073,550	144,381	15,110	74,891	0	60,902,118
Tarime	16,870,053	18,362,987	53,461,390	183,980	120,950	3,613	162,374	0	89,165,346
Rorya	27,041,756	6,557,946	18,602,040	4,876,689	907,928	131,060	123,140	70,913	58,311,473
Sub Total	73,528,006	44,297,725	103,377,052	6,285,425	1,390,707	165,257	441,756	70,913	229,556,842

Table 15: Weight of fish caught in metric tons for Mwanza region by district and by species for 2012

MWANZA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Geita	2,085.1	4,714.4	1,087.3	32.2	262.5	74.9	74.7	121.3	8,452.3
Magu	6,696.1	2,663.4	324.3	67.1	86.9	19.3	34.9	18.3	9,910.4
Misungwi	855.6	759.6	0.0	42.8	32.9	35.5	52.0	1.9	1,780.3
Mwanza	8,875.4	750.2	4,034.0	1,919.0	43.2	30.8	36.6	0.0	15,689.3
Sengerema	20,429.4	5,970.5	20,327.3	5,505.5	59.4	35.1	61.4	139.0	52,527.6
Ukerewe	17,065.4	6,614.3	31,650.3	171.2	72.6	32.7	23.0	15.9	55,645.4
Sub Total	56,007.1	21,472.5	57,423.2	7,737.8	557.4	228.3	282.5	296.2	144,005.2

Table 16: Value of fish caught in metric tons for Mwanza region by species and by month for 2012

MWANZA REGION	Nile Perch	Tilapia	Dagaa	Haplochr	Clarius	Protopterus	Bagrus	Others	Total
Geita	7,670,366	17,342,393	3,999,710	118,432	965,557	275,404	274,674	446,063	31,092,598
Magu	24,632,208	9,797,649	1,193,077	246,973	319,675	70,913	128,541	67,336	36,456,372
Misungwi	3,147,549	2,794,406	-	157,337	120,950	130,695	191,170	6,825	6,548,932
Mwanza	32,649,255	2,759,844	14,839,595	7,059,411	158,761	113,395	134,636	0	57,714,898
sengerema	75,151,963	21,963,094	74,776,120	20,252,676	218,542	129,235	225,732	511,209	193,228,573
Ukerewe	62,777,027	24,331,584	116,429,222	629,641	267,119	120,257	84,599	58,322	204,697,771
Sub Total	206,028,368	78,988,971	211,237,724	28,464,471	2,050,604	839,899	1,039,353	1,089,755	529,739,144

Table 17: Weight of fish caught in m.tons for Lake Victoria by month and by species, 2012

Species	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Nile perch	7,153.4	9,010.0	8,187.0	7,725.2	7,456.4	6,491.6	8,187.4	9,306.3	8,545.0	8,439.5	6,730.1	7,793.6	95,025.7
Tilapiines	3,194.6	2,740.0	2,679.8	3,849.4	2,703.3	3,478.0	3,585.7	3,618.9	3,583.3	2,533.9	2,416.9	2,802.3	37,186.1
Dagaa	7,186.4	6,847.4	9,379.2	8,356.1	7,680.5	7,696.3	7,585.0	8,874.8	6,839.3	7,105.8	7,522.8	8,722.0	93,795.8
Haplochromines	708.3	729.7	781.7	678.1	702.5	709.9	1,952.3	748.9	763.6	573.8	780.6	905.1	10,034.3
Bagrus	135.4	76.9	76.8	77.7	67.8	95.6	96.3	86.7	77.1	87.8	76.0	88.2	1,042.4
Clarias	10.7	14.0	16.4	13.8	17.7	38.3	31.9	103.4	84.7	31.7	12.1	14.1	388.7
Protopterus	47.4	48.5	48.9	49.3	46.3	58.3	37.6	46.3	57.3	36.4	37.8	43.8	558.0
Others	14.0	2.0	45.4	38.6	29.3	27.8	9.5	37.1	25.7	24.1	37.8	43.8	335.0
Totals	18,450.1	19,468.5	21,215.2	20,788.3	18,703.8	18,595.9	21,485.6	22,822.3	19,976.2	18,832.9	17,614.1	20,412.8	238,365.9

Table 18: Value of fish caught in 000' tshs for Lake Victoria by month and by species 2012

Species	Jan	Feb	March	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Nile perch	26,314,426	33,144,385	30,116,763	28,418,169	27,429,145	23,880,168	30,118,114	34,234,396	31,433,893	31,045,787	24,757,512	28,669,668	349,562,426
Tilapiines	11,751,797	10,079,554	9,857,800	14,160,362	9,944,553	12,794,253	13,190,388	13,312,433	13,181,593	9,321,116	8,890,783	10,308,571	136,793,203
Dagaa	26,436,069	25,188,757	34,502,464	30,738,996	28,253,715	28,311,781	27,902,398	32,646,825	25,159,268	26,139,424	27,673,490	32,084,812	345,038,001
Haplochromines	2,605,391	2,684,224	2,875,394	2,494,551	2,584,150	2,611,523	7,181,569	2,754,809	2,809,116	2,110,642	2,871,452	3,329,450	36,912,270
Bagrus	498,253	282,959	282,594	285,769	249,492	351,719	354,237	318,981	283,689	322,923	279,711	324,346	3,834,674
Clarias	39,234	51,497	60,475	50,730	65,147	140,768	117,373	380,186	311,426	116,644	44,635	51,752	1,429,868
Protopterus	174,235	178,578	180,002	181,389	170,294	214,564	138,250	170,294	210,951	133,906	138,980	161,133	2,052,575
Others	51,497	7,190	167,045	141,972	107,629	102,227	34,927	136,461	94,672	88,578	138,980	161,133	1,232,312
Totals	67,870,903	71,617,145	78,042,538	76,471,938	68,804,124	68,407,003	79,037,256	83,954,386	73,484,609	69,279,019	64,795,543	75,090,866	876,855,328

Table 19: Species percentage composition by months and by species for Lake Victoria, 2012

Species	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Totals
Nile perch	3.0	3.8	3.4	3.2	3.1	2.7	3.4	3.9	3.6	3.5	2.8	3.3	39.9
Tilapiines	1.3	1.1	1.1	1.6	1.1	1.5	1.5	1.5	1.5	1.1	1.0	1.2	15.6
Dagaa	3.0	2.9	3.9	3.5	3.2	3.2	3.2	3.7	2.9	3.0	3.2	3.7	39.3
Haplochromines	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.3	0.3	0.2	0.3	0.4	4.2
Bagrus	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Clarias	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Protopterus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Others	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Totals	7.7	8.2	8.9	8.7	7.8	7.8	9.0	9.6	8.4	7.9	7.4	8.6	100.0

4.2 LAKE TANGANYIKA FISHERY STATISTICS

Table 20: Fisheries statistics for Lake Tanganyika for 2012

Item	Kigoma (MC &DC)	Mpanda DC	Nkasi DC	Sumbawanga DC	Total
Number of landing sites	87	20	114	18	239
Number of Fishers	10,573	2,483	10,733	2,823	26,612
Number of Fishing vessels	4,782	1,018	4,683	1,023	11,506
Total weight of fish in metric tons	16,664.40	2,767.80	28,117.00	11,780.40	59,329.60
Total value of fish in 000's TShs.	53,326,080.00	8,856,960.00	90,182,400.00	37,697,280.00	190,062,720.00
Number of vessels sails	-	518	-	-	2,988
Number of vessels paddled	-	26	-	199	225
Number of vessels with engine	755	14	154	79	1,002
Number of Transport vessels	76	-	-	16	92
Number of Outboard engine	755	14	154	79	1,002
Number of Lamps	11,533	-	-	396	11,929
Gears by Types					
Normal Lift nets	1,301	162	397	32	1,891
Apollo lift nets	66	-			66
Gill nets	14,579	6,109	9,401	1,717	31,806
Hand lines	1,552	13,411	153	371	2,194
Scoop nets	60	0	0	0	60
Ring nets	115	47	337	145	644
Long lines	78,171	191,428	245,028	22,499	537,126
Traps	-	-	22	-	22
Beach Seine nets	58	1	3	4	66

Table 21: The estimated total catches (t) on Lake Tanganyika by district and by species 2012.

TARGETED SPECIES	KIGOMA DC	KIGOMA MC	S'WANGA DC	NKASI DC	MPANDA DC	PRODUCTION	% Contribution
<i>Stolothrissa tanganyicae</i> (Dagaa)	5,194.0	8,873.8	4,961.4	1,313.2	1,076.8	21,419.2	38.5
<i>Limnothrissa miodon</i> (Dagaa/Lumbu)	536.8	444.2	35.8	7.2	29.4	1,053.4	1.9
<i>Clarias gariepinus</i> (Kambale/Mumi)	107.8	309.4	0	0	0	417.2	0.8
<i>Kavungwe</i>	135.4	707.6	0	0	0	843.0	1.5
<i>Boulengerochromis microlepsi</i> (Kuhe/Inkumpi)	271.4	1,019.2	49.2	191.8	15.0	1,546.6	2.8
<i>Kungura</i>	747.8	1,146.0	0.0	130.6	0.0	2,024.4	3.6
<i>Hydrocynus vittatus</i> (tiger fish) (Manje)	30.0	0	0	0	0	30.0	0.1
<i>Masembe</i>	1,671.2	0	0	0	0	1,671.2	3.0
<i>Bathybatus minor</i> (Mbanga/Lembela)	94.4	953.2	0	147.4	19.4	1,214.6	2.2
<i>Labeo lineatus</i> (Mbilingi)	0.0	154.6	0	19.0	11.6	185.4	0.3
<i>Bagrus docmak</i> (Mbofu/Kibogobogo)	0.0	740.0	0	0	0	740.0	1.3
<i>Lates stappersii</i> Mgebuka/Mvolo	3,765.0	7,293.4	6,212.4	94.8	1,546.2	18,911.8	34.0
<i>Hemibates stenosoma</i> (Mpande)	0	0	255.8	417.4	207.6	880.8	1.6
<i>O.tanganyicae</i> (Serotheron) (Ngege)	122.4	38.6	45.2	55.6	0	261.8	0.5
<i>Synodontis lacustricolus</i> Ngogo/Kolokolo	0	446.0	0	0	0	446.0	0.8
<i>Malapterurus electricus</i> (Nyika)	30.0	657.4	0	19.6	0	707.0	1.3
<i>Lates angustifrons</i> (Sangara)	367.6	1,901.8	0	87.0	2.8	2,359.0	4.2

<i>Lates mariae</i> (Sangara/Ng'omba)	195.8	439.6	220.6	0	0	856.0	1.5
TOTAL	13,269.6	25,124.8	11,780.4	2,483.6	2,908.8	55,567.4	100.0

Table 22: The Value of catches on Lake Tanganyika (T.shs in 000') as estimated during for 2012 .

SPECIES	KIGOMA DC	KIGOMA MC	SUMBAWANGA DC	MPANDA DC	NKASI DC	TOTAL
<i>Stolothrissa tanganyicae</i> (Dagaa)	16,620,800.00	3,445,760.00	15,876,480.00	4,202,240.00	28,396,160.00	68,541,440.00
<i>Limnothrissa miodon</i> (Dagaa/Lumbu)	1,653,760.00	94,080.00	114,560.00	23,040.00	1,421,440.00	3,306,880.00
<i>Clarias gariepinus</i> (Kambale/Mumi)	376,960.00	-	-	-	1,022,080.00	1,399,040.00
<i>Auchenoglanis occidentalis</i> (Kavungwe)	-	-	-	-	2,296,320.00	2,296,320.00
<i>Boulengerochromis microlepsi</i> (Kuhe/Inkumpi)	900,480.00	48,000.00	157,440.00	613,760.00	3,261,440.00	4,981,120.00
<i>Tylochromis Polylepis</i> (Kungura)	2,399,360.00	-	-	417,920.00	3,667,200.00	6,484,480.00
<i>Hydrocynus vittatus</i> (tiger fish) (Manje)	156,800.00	-	-	-	-	156,800.00
<i>Haplochromis spp</i> (Masembe)	5,379,840.00	-	-	-	-	5,379,840.00
<i>Bathybatus minor</i> (Mbanga/Lembela)	302,080.00	62,080.00	-	471,680.00	3,050,240.00	3,886,080.00
<i>Labeo lineatus</i> (Mbilingi)	-	37,120.00	-	60,800.00	510,720.00	608,640.00
<i>Bagrus docmak</i> (Mbofu/Kibogobogo)	-	-	-	-	2,368,000.00	2,368,000.00
<i>Lates stappersii</i> Mgebuka/Mvolo	12,112,000.00	4,947,840.00	19,879,680.00	303,360.00	23,338,880.00	60,581,760.00
<i>Hemibates stenosoma</i> (Mpande)	-	664,320.00	818,560.00	1,335,680.00	-	2,818,560.00
<i>O.tanganicae</i> (Serotheron) (Ngege)	414,080.00	-	144,640.00	177,920.00	123,520.00	860,160.00
<i>Synodontis lacustricolus</i> Ngogo/Kolokolo	-	-	-	-	1,427,200.00	1,427,200.00
<i>Malapterurus electricus</i> (Nyika)	109,440.00	-	-	62,720.00	2,103,680.00	2,275,840.00
<i>Lates angustifrons</i> (Sangara)	1,176,320.00	8,960.00	-	278,400.00	6,149,760.00	7,613,440.00
<i>Lates mariae</i> (Sangara/Ng'omba)	626,560.00	16,000.00	705,920.00	12,800.00	1,406,720.00	2,768,000.00
<i>Lates microlepis</i> Sangara/Nonzi	1,023,360.00	1,920.00	-	-	469,760.00	1,495,040.00
Others	549,120.00	199,040.00	-	896,640.00	9,169,280.00	10,814,080.00
TOTAL	43,800,960.00	9,525,120.00	37,697,280.00	8,856,960.00	90,182,400.00	190,062,720.00

Table 23: Species percentage composition by district for Lake Tanganyika – 2012

SPECIES	KIGOMA DC	KIGOMA MC	SUMBAWANGA DC	MPANDA DC	NKASI DC
<i>Stolothrissa tanganicae</i> (Dagaa)	37.9	36.2	42.1	47.4	31.6
<i>Limnothrissa miodon</i> (Dagaa/Lumbu)	3.8	1.0	0.3	0.3	1.6
<i>Clarias gariepinus</i> (Kambale/Mumi)	0.9	0.0	0.0	0.0	1.1
<i>Auchenoglanis occidentalis</i> (Kavungwe)	0.0	0.0	0.0	0.0	2.6
<i>Boulengerochromis microlepsi</i> (Kuhe/Inkumpi)	2.1	0.5	0.4	6.9	3.6
<i>Tylochromis Polylepis</i> (Kungura)	5.5	0.0	0.0	4.7	4.1
<i>Hydrocynus vittatus</i> (tiger fish) (Manje)	0.4	0.0	0.0	0.0	0.0
<i>Haplochromis spp</i> (Masembe)	12.3	0.0	0.0	0.0	0.0
<i>Bathybatus minor</i> (Mbanga/Lembela)	0.7	0.7	0.0	5.3	3.4
<i>Labeo lineatus</i> (Mbilingi)	0.0	0.4	0.0	0.7	0.6
<i>Bagrus docmak</i> (Mbofu/Kibogobogo)	0.0	0.0	0.0	0.0	2.6
<i>Lates stappersii</i> Mgebuka/Mvolo	27.7	51.9	52.7	3.4	25.9
<i>Hemibates stenosoma</i> (Mpande)	0.0	7.0	2.2	15.1	0.0
<i>O.tanganicae</i> (Serotheron) (Ngege)	0.9	0.0	0.4	2.0	0.1
<i>Synodontis lacustricolus</i> Ngogo/Kolokolo	0.0	0.0	0.0	0.0	1.6
<i>Malapterurus electricus</i> (Nyika)	0.2	0.0	0.0	0.7	2.3
<i>Lates anguistifrons</i> (Sangara)	2.7	0.1	0.0	3.1	6.8
<i>Lates mariae</i> (Sangara/Ng'omba)	1.4	0.2	1.9	0.1	1.6
<i>Lates microlepis</i> Sangara/Nonzi	2.3	0.0	0.0	0.0	0.5
Others	1.3	2.1	0.0	10.1	10.2
TOTAL PRODUCTION	100	100	100	100	100

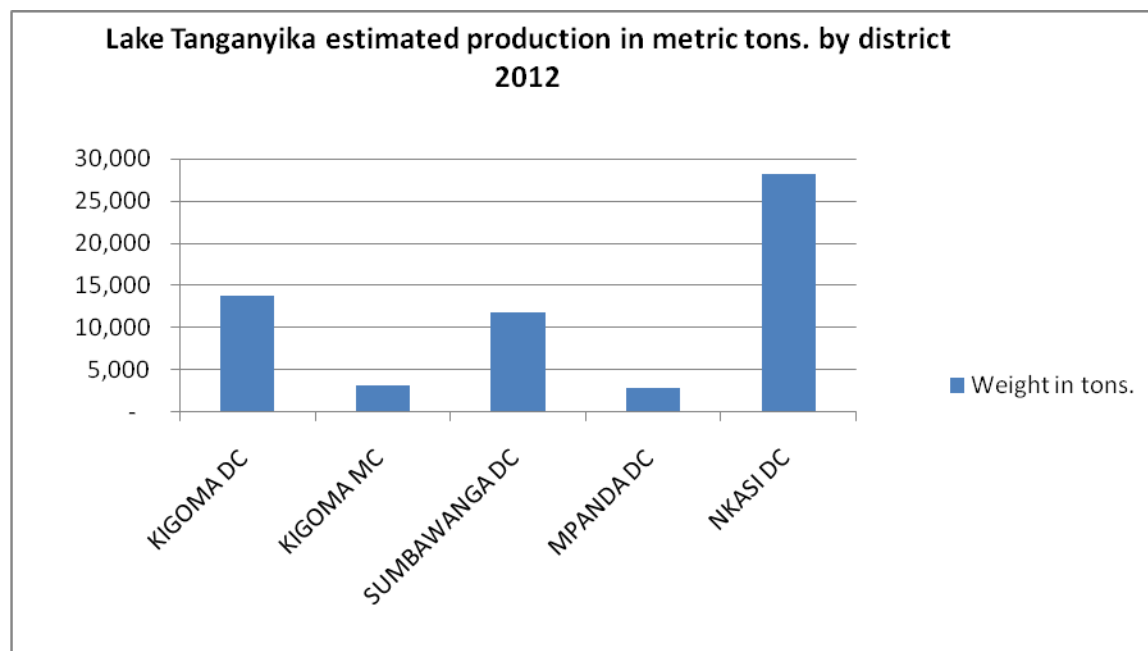


Figure 6 : Lake Tanganyika estimated production by district in metric tons. For 2012

4.3 MARINE WATER FISHERY STATISTICS.

Table 24: Artisanal fisheries statistics for Marine water of Tanzania mainland, 2012

Item	Coast	DSM	Lindi	Mtwara	Tanga	Totals
Total number of Landing sites	100	23	47	28	59	257
Total number of Fishermen	12417	7430	5272	5792	5410	36,321
Total number of Fishing vessels	3130	1184	1047	1111	1192	7,664
Total weight of fish in metric tons	9,692.75	19,454.53	4,481.45	3,660.96	12,789.58	50,079.27
Total value of fish in 000's TShs.	33,924,640	68,090,859	15,685,077	12,813,346	44,763,527	175,277,449
Number of Fishing gears by type and size						
Number of Gill nets	16740	431	524	1084	1161	19,940
Number of Shark nets	1294	247	588	714	890	3,733
Number of Traps	1060	634	456	1196	1328	4,674
Number of hand lines	2508	2462	1311	2963	4826	13,955
Number of Long lines	9020	3	167	2	245	9,437
Number of Beach seines	42	50	21	498	168	768
Number of Ring nets	417	235	70	154	83	1,241
Number of Purse seine	0	0	0	0	0	-
Number of cast nets	111	43	18	0	57	229
Number of Scoop nets	0	27	0	0	13	40
Number of Spears	648	44	117	420	86	1,315
Number of Trawl nets	3	0	0	0	0	3
Number of Fences	0	0	0	0	0	-
TOTAL						55,335
Engines						
Number of Outboard engines	156	316	94	41	130	737
Number of Inboard engines	14	64	2	0	14	94

Table 25: Weight of fish caught in metric tons for Tanga region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Muheza	188.6	196.6	189.4	273.1	272.7	225.6	183.2	199.1	250.5	147.0	222.4	227.1	2575.2
Pangani	159.4	141.0	135.7	316.8	315.8	232.9	189.4	275.8	255.3	220.3	212.1	230.2	2684.6
Tanga	440.5	373.3	336.9	275.2	282.2	325.5	368.5	323.3	338.9	319.7	275.6	304.7	3964.2
Mkinga	413.2	367.0	296.8	220.5	220.0	285.4	324.7	275.1	308.7	296.0	262.6	295.9	3565.8
Totals	1,201.6	1,077.9	958.7	1,085.5	1,090.7	1,069.4	1,065.8	1,073.1	1,153.5	983.0	972.6	1,057.9	12,789.6

Table 26: Value of fish in 000's tshs for Tanga region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Muheza	669,417	697,881	672,228	969,513	968,107	800,841	650,442	706,666	889,394	521,829	789,596	806,112	9,142,026
Pangani	565,754	500,394	481,770	1,124,480	1,120,966	826,845	672,228	979,001	906,261	782,217	753,051	817,357	9,530,323
Tanga	1,563,731	1,325,130	1,195,815	976,892	1,001,842	1,155,404	1,308,263	1,147,673	1,203,194	1,135,022	978,298	1,081,610	14,072,873
Mkinga	1,466,744	1,302,992	1,053,498	782,920	780,811	1,013,087	1,152,592	976,541	1,096,017	1,050,686	932,265	1,050,335	12,658,487
Totals	4,265,646	3,826,396	3,403,310	3,853,805	3,871,727	3,796,176	3,783,525	3,809,880	4,094,866	3,489,755	3,453,209	3,755,413	45,403,709

Table 27: Weight of fish caught in metric tons for Coast region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Mafia	227.69	155.23	213.72	261.41	223.23	238.52	290.91	292.39	398.29	300.05	300.21	311.34	3,212.99
Rufiji	8.45	34.53	27.67	20.93	96.75	144.10	122.69	186.78	134.99	234.89	178.08	213.65	1,403.50
Mkuranga	227.92	113.02	237.42	194.86	217.85	145.25	246.20	149.81	123.21	190.63	222.74	211.24	2,280.13
Bagamoyo	125.91	187.03	149.64	304.29	146.08	194.68	318.55	281.88	252.87	304.37	298.58	232.23	2,796.12
Totals	589.97	489.81	628.44	781.49	683.91	722.55	978.35	910.86	909.35	1,029.95	999.61	968.46	9,692.75

Table 28: Value of fish in 000's tshs for Coast region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Mafia	808,291	551,066	758,708	928,013	792,478	846,734	1,032,730	1,038,001	1,413,929	1,065,164	1,065,761	1,105,259	11,406,132
Rufiji	30,010	122,568	98,216	74,286	343,458	511,568	435,560	663,057	479,204	833,873	632,169	758,462	4,982,432
Mkuranga	809,099	401,229	842,833	691,766	773,361	515,645	874,002	531,809	437,388	676,726	790,721	749,888	8,094,467
Bagamoyo	446,981	663,971	531,212	1,080,239	518,596	691,099	1,130,841	1,000,682	897,687	1,080,520	1,059,963	824,420	9,926,211
Totals	2,094,380	1,738,833	2,230,969	2,774,304	2,427,894	2,565,045	3,473,134	3,233,549	3,228,208	3,656,283	3,548,614	3,438,029	34,409,242

Table 29: Weight of fish caught in metric tons for Dar es Salaam region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Ilala	780.23	962.09	1,088.84	1,646.83	1,187.57	1,457.02	908.87	1,075.49	688.54	900.53	870.39	688.59	12,255.00
Kinondoni	387.20	215.34	402.10	498.43	279.59	321.72	408.12	442.10	540.26	410.87	329.74	291.20	4,526.68
Temeke	214.05	105.75	210.29	287.23	238.27	274.06	296.99	231.25	217.20	201.70	196.08	199.99	2,672.86
Totals	1,381.48	1,283.18	1,701.22	2,432.49	1,705.43	2,052.81	1,613.98	1,748.84	1,446.00	1,513.11	1,396.22	1,179.77	19,454.53

Table 30: Value of fish in 000's tshs for Dar es Salaam region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Ilala	2,769,806	3,415,434	3,865,366	5,846,244	4,215,888	5,172,434	3,226,486	3,817,998	2,444,304	3,196,898	3,089,897	2,444,480	43,505,235
Kinondoni	1,374,572	764,471	1,427,458	1,769,440	992,530	1,142,121	1,448,823	1,569,458	1,917,907	1,458,592	1,170,584	1,033,749	16,069,704
Temeke	759,868	375,401	746,514	1,019,658	845,855	972,922	1,054,306	820,941	771,077	716,048	696,089	709,969	9,488,647
Totals	4,904,246	4,555,305	6,039,338	8,635,342	6,054,273	7,287,477	5,729,614	6,208,397	5,133,288	5,371,538	4,956,569	4,188,198	69,063,586

Table 31 : Weight of fish caught in metric tons for Lindi region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Kilwa	201.81	177.98	196.04	124.61	183.28	225.49	123.04	153.82	95.88	144.83	170.56	176.53	1,973.88
Lindi	192.26	206.94	220.72	143.04	185	344.21	137.02	216.06	170.7	242.2	255.76	193.66	2,507.57
Totals	394.08	384.92	416.77	267.65	368.28	569.7	260.06	369.88	266.58	387.03	426.32	370.19	4,481.45

Table 32: Value of fish caught in 000's tshs for Lindi region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Kilwa	706,344	622,919	686,146	436,147	641,488	789,215	430,638	538,385	335,572	506,892	596,969	617,860	6,908,576
Lindi	672,911	724,290	772,516	500,656	647,517	1,204,748	479,557	756,198	597,454	847,696	895,160	677,796	8,776,501
Totals	1,379,255	1,347,209	1,458,662	936,803	1,289,005	1,993,963	910,196	1,294,583	933,027	1,354,588	1,492,129	1,295,657	15,685,077

Table 33 : Weight of fish caught in metric tons for Mtwara region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Mtwara	473.2	333.1	323.3	379.3	348.1	293.0	276.0	200.7	273.2	295.0	220.7	245.4	3661.0
Totals	473.2	333.1	323.3	379.3	348.1	293.0	276.0	200.7	273.2	295.0	220.7	245.4	3661.0

Table 34: Value of fish caught in 000's tshs for Mtwara region by district and by month for 2012

District	JAN	FEB	MARCH	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Mtwara	1,656,347	1,165,946	1,131,474	1,327,600	1,218,260	1,025,564	965,940	702,464	956,343	1,032,354	772,274	858,782	12,813,346
Totals	1,656,347	1,165,946	1,131,474	1,327,600	1,218,260	1,025,564	965,940	702,464	956,343	1,032,354	772,274	858,782	12,813,346

Table 35 : Weight of fish caught in metric tons for Marine waters by region and by month for 2012

Regions	January	February	March	April	May	June	July	August	September	October	November	December	Total
Tanga	1,201.6	1,077.9	958.7	1,085.5	1,090.7	1,069.4	1,065.8	1,073.1	1,153.5	983.0	972.6	1,057.9	12,789.6
Coast	590.0	489.8	628.4	781.5	683.9	722.6	978.4	910.9	909.4	1,030.0	999.6	968.5	9,692.8
Lindi	394.1	384.9	416.8	267.7	368.3	569.7	260.1	369.9	266.6	387.0	426.3	370.2	4,481.5
Mtwara	473.2	333.1	323.3	379.3	348.1	293.0	276.0	200.7	273.2	295.0	220.7	245.4	3,661.0
Dar es salaam	1,381.5	1,283.2	1,701.2	2,432.5	1,705.4	2,052.8	1,614.0	1,748.8	1,446.0	1,513.1	1,396.2	1,179.8	19,454.5
Total	4,040.4	3,568.9	4,028.4	4,946.4	4,196.4	4,707.4	4,194.1	4,303.4	4,048.7	4,208.1	4,015.4	3,821.7	50,079.3

Table 36: Value of fish in 000's tshs for Marine waters by region and by month for 2012

Regions	January	February	March	April	May	June	July	August	September	October	November	December	Total
Tanga	4,265,680	3,826,545	3,403,385	3,853,525	3,871,985	3,796,370	3,783,590	3,809,505	4,094,925	3,489,650	3,452,730	3,755,545	45,403,035
Coast	2,094,500	1,738,790	2,230,820	2,774,325	2,427,845	2,565,230	3,473,320	3,233,695	3,228,370	3,656,500	3,548,580	3,438,175	34,410,150
Lindi	1,399,055	1,366,395	1,479,640	950,335	1,307,465	2,022,435	923,355	1,313,145	946,430	1,373,850	1,513,365	1,314,210	15,909,020
Mtwara	1,679,860	1,182,505	1,147,715	1,346,515	1,235,755	1,040,150	979,800	712,485	969,860	1,047,250	783,485	871,170	12,996,520
Dar es salaam	4,904,325	4,555,360	6,039,260	8,635,375	6,054,170	7,287,440	5,729,700	6,208,240	5,133,300	5,371,505	4,956,510	4,188,290	69,063,074
Total	14,343,420	12,669,595	14,300,820	17,560,075	14,897,220	16,711,625	14,889,765	15,277,070	14,372,885	14,938,755	14,254,670	13,567,390	177,781,799

Table 37: Weight of fish in metric tons and by species for Marine 2012

District/spp	Muheza	Pangani	Tanga	Mkinga	Mafia	Rufiji	Mkuranga	Bagamoyo	Kilwa	Lindi	Mtwara	Ilala	Kinondoni	Temeke	Total
Acanthuridae	7.72	3.14	11.46	11.31	18.17		10.45		6.87	11.48	17.09	6.51	94.64	94.64	293.5
Aridae	52.05	71.41	48.92	59.16	24.5	81.01	307.07	60.08		16.82	25.8	3710.08	19.25	18.39	4494.5
Caesionidae	0	0	54.27	73.58	59.75	0	0	0	68.71	11.52		208.24	46.47	33.69	556.2
Carangidae	131.45	72.64	114.22	104.05	173.16	25.65	230.64	56.19	148.76	49.83	162.57	193.38	277.92	173.17	1913.6
Clariidae	0	5.61	0	11.69	6.69	2.39	0.95	0	0	14.42	0	0	0	0	41.8
Chanidae	0	0	44.59	59.7	6.23	0	0	107.5	0	0	0	209.62	0	0	427.6
Chirocentridae	15.4	0	28.94	45.85	72.05	2.64	0	45.08	66.83	50.5	22.96	27.18	0	0	377.4
Clupeidae	1.23	0	2111.48	94.53	31.47	52.13	164.37	775.89	0	192.48	449.26	3389.86	225.04	131.04	7618.8
Gerridae	2.87	1.23	2.27	11.98	33.76	0	0	0	0	253.05	47.02	251.58	0.27	0.8	604.8
Haemulidae	3.26	0.75	3.22	10.78	9.62	9.54	0	0	0	2.31	0	135.29	0	22.05	196.8
Hemiramphidae	51.87	123.5	4.11	5.17	80.99	10.02	0	32.93	107.66	6.83	62.07	102.3	224.91	126.81	939.2
Istiophoridae	66.21	3.05	57.26	31.89	9.66	0	0	0	0	2.77	0	96.23	240.05	163.91	671.1
Labridae	13.84	104.11	19.95	182.7	34.95	0.12	0	164.67	47.9	2.41	80.03	128.33	530.31	235.32	1544.6
Lethrinidae	734.86	323.42	66.34	76.46	217.67	34.48	180.33	72.71	220.82	53.21	333.83	401.66	894.54	533.33	4143.7
Loliginidae	0	0	86.47	114.39	50.11	1.67	0	32.42	0	2.67	0	198.18	28.56	87.49	602.0
Mugilidae	0.37	24.29	30.84	63.21	34.5	4.77	121.35	0	0	25.83	0.74	0	0	0	305.9
Mullidae	3.19	0	32.71	114.45	33.86	0	9.5	4.78	0	17.15	6.02	190.42	1.55	0.97	414.6
Nemipteridae	49.71	46.77	50.84	171.68	10.32	0	0	293.51	0	348.05	5.61	35.43	45.82	13.42	1071.2
Octopodidae	38.25	275.73	47.83	133.84	104.14	0.12	0	13.3	151.31	54.11	9.82	285.76	52.32	84.64	1251.2
Others	260.73	173.36	225.45	230.43	337.9	304.19	363.68	76.91	222.6	326.49	685.05	94.94	34.57	25.05	3361.3
Palinuridae	0.64	229.32	0	144.49	9.62	7.87	9.41	30.42	13.76	0	0	25.33	0	0	470.9
Penaeidae	0.74	0	0	0	10.76	661.7	406.43	104.56	0	0.95	0	205.78	0	0	1390.9
Rachycentridae	291.24	8.86	83.92	137.84	10.09	1.08	1.14	13.3	0	58.3	28.83	64.91	57.44	66.86	823.8
Rays	536.05	694.31	94.54	263.7	34.25	6.43	51.39	82.88	121.49	56.16	256.84	50.11	210.07	115.01	2573.2
Scombridae(J)	32.97	2.08	276.06	279.42	193.11	105.83	113.12	92.35	0	24.2	69.1	209.44	523.66	142.91	2064.2
Scombridae(N)	38.49	2.98	80.39	144.59	166.4	0	0	117.21	0	33.62	86.22	191	249.26	152.2	1262.4
Scombridae (v)	5.02	0	143.02	267.97	896.01	0.36	89.91	418.83	518.53	32.53	610.16	827.87	249.67	61.07	4121.0

Serranidae	29.27	19.47	63.31	159.46	49.44	91.5	115.38	7.51	0	412.01	57.21	466.14	53.78	72.89	1597.4
Sharks	87.91	237.76	20.58	151.53	40.89	0	93.17	61.77	12.35	49.86	213.33	40.1	86.92	99.34	1195.5
Siganidae	72.88	233.15	69.67	238.92	218.97	0	11.84	88.51	183.85	292.78	431.4	238.24	188.28	102.69	2371.2
Sphyraenidae	46.99	27.69	91.54	170.98	233.97	0	0	42.75	82.48	105.25	0	271.09	191.41	115.14	1379.3
TOTAL	2,575.2	2,684.6	3,964.2	3,565.8	3,213.0	1,403.5	2,280.1	2,796.1	1,973.9	2,507.6	3,661.0	12,255.0	4,526.7	2,672.9	50,079.5

Table 38: Marine species percentage composition 2012

District/spp	Muheza	Pangani	Tanga	Mkinga	Mafia	Rufiji	Mkuranga	Bagamoyo	Kilwa	Lindi	Mtwara	Ilala	Kinondoni	Tembe	Total
Acanthuridae	0.0	0.0	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0	0.0	0.2	0.2	0.6
Aridae	0.1	0.1	0.1	0.1	0.1	0.2	0.6	0.1	-	0.0	0.1	7.4	0.0	0.0	9.0
Caesionidae	-	-	0.1	0.2	0.1	-	-	-	0.1	0.0	-	0.4	0.1	0.1	1.1
Carangidae	0.3	0.2	0.2	0.2	0.4	0.1	0.5	0.1	0.3	0.1	0.3	0.4	0.6	0.4	3.8
Clariidae	-	0.0	-	0.0	0.0	0.0	0.0	-	-	0.0	-	-	-	-	0.1
Chanidae	-	-	0.1	0.1	0.0	-	-	0.2	-	-	-	0.4	-	-	0.9
Chirocentridae	0.0	-	0.1	0.1	0.1	0.0	-	0.1	0.1	0.1	0.1	0.1	-	-	0.8
Clupeidae	0.0	-	4.2	0.2	0.1	0.1	0.3	1.6	-	0.4	0.9	6.8	0.5	0.3	15.2
Gerridae	0.0	0.0	0.0	0.0	0.1	-	-	-	-	0.5	0.1	0.5	0.0	0.0	1.2
Haemulidae	0.0	0.0	0.0	0.0	0.0	0.0	-	-	-	0.0	-	0.3	-	0.0	0.4
Hemiramphidae	0.1	0.3	0.0	0.0	0.2	0.0	-	0.1	0.2	0.0	0.1	0.2	0.5	0.3	1.9

Istiophoridae	0.1	0.0	0.1	0.1	0.0	-	-	-	-	0.0	-	0.2	0.5	0.3	1.3
Labridae	0.0	0.2	0.0	0.4	0.1	0.0	-	0.3	0.1	0.0	0.2	0.3	1.1	0.5	3.1
Lethrinidae	1.5	0.7	0.1	0.2	0.4	0.1	0.4	0.2	0.4	0.1	0.7	0.8	1.8	1.1	8.3
Loliginidae	-	-	0.2	0.2	0.1	0.0	-	0.1	-	0.0	-	0.4	0.1	0.2	1.2
Mugilidae	0.0	0.1	0.1	0.1	0.1	0.0	0.2	-	-	0.1	0.0	-	-	-	0.6
Mullidae	0.0	-	0.1	0.2	0.1	-	0.0	0.0	-	0.0	0.0	0.4	0.0	0.0	0.8
Nemipteridae	0.1	0.1	0.1	0.3	0.0	-	-	0.6	-	0.7	0.0	0.1	0.1	0.0	2.1
Octopodidae	0.1	0.6	0.1	0.3	0.2	0.0	-	0.0	0.3	0.1	0.0	0.6	0.1	0.2	2.5
Others	0.5	0.4	0.5	0.5	0.7	0.6	0.7	0.2	0.4	0.7	1.4	0.2	0.1	0.1	6.7
Palinuridae	0.0	0.5	-	0.3	0.0	0.0	0.0	0.1	0.0	-	-	0.1	-	-	0.9
Penaeidae	0.0	-	-	-	0.0	1.3	0.8	0.2	-	0.0	-	0.4	-	-	2.8
Rachycentridae	0.6	0.0	0.2	0.3	0.0	0.0	0.0	0.0	-	0.1	0.1	0.1	0.1	0.1	1.6
Rays	1.1	1.4	0.2	0.5	0.1	0.0	0.1	0.2	0.2	0.1	0.5	0.1	0.4	0.2	5.1
Scombridae(J)	0.1	0.0	0.6	0.6	0.4	0.2	0.2	0.2	-	0.1	0.1	0.4	1.1	0.3	4.1
Scombridae(N)	0.1	0.0	0.2	0.3	0.3	-	-	0.2	-	0.1	0.2	0.4	0.5	0.3	2.5
Scombridae(v)	0.0	-	0.3	0.5	1.8	0.0	0.2	0.8	1.0	0.1	1.2	1.7	0.5	0.1	8.2
Serranidae	0.1	0.0	0.1	0.3	0.1	0.2	0.2	0.0	-	0.8	0.1	0.9	0.1	0.2	3.2
Sharks	0.2	0.5	0.0	0.3	0.1	-	0.2	0.1	0.0	0.1	0.4	0.1	0.2	0.2	2.4
Siganidae	0.2	0.5	0.1	0.5	0.4	-	0.0	0.2	0.4	0.6	0.9	0.5	0.4	0.2	4.7
Sphyraenidae	0.1	0.1	0.2	0.3	0.5	-	-	0.1	0.2	0.2	-	0.5	0.4	0.2	2.8
Total	5.1	5.4	7.9	7.1	6.4	2.8	4.6	5.6	3.9	5.0	7.3	24.5	9.0	5.3	100.0

4.4 LAKE NYASA FISHERY STATISTICS

Table 39: Summary of Lake Nyasa fisheries Statistics – 2012

	Description	Mbeya(Kyela)	Ruvuma(Mbinga)	Iringa(Ludewa)	Total
1	Number of Landing sites	20	70	24	114
2	Number of fishing vessels	669	1,357	606	2,632
3	Number of fishers	2,073	2,375	1,102	5,550
4	Total weight of fish in metric tons	2,116.80	6,807.20	2,380.80	10,899.25
5	Total value of fish in 000's Tshs	6,561,928.21	21,102,199.71	7,380,342.14	39,959,000.00
6	Fishing gears				
	Gillnets by size				
6.1	GN < 2.5-3"	355	14,329	549	15,233
6.2	GN 3.5-5"	141	3,098	707	3,946
	Total number of GN <5"	496	17,427	1,256	19,179
6.3	GN 6"	46	463	165	674
6.4	GN 7"	4	210	43	257
6.5	GN 8"	3	37	23	63
6.6	GN 9"	1	0	120	121
6.7	GN 10"	0	0	0	0
6.8	GN > 10"	3	0	0	3
	Total number of GN ≥ 5"	57	710	351	1,118
	Total number of Gillnets	553	18,137	1,607	20,297
7	Ring nets				
7.1	RN < 5 mm	5	0	255	260
7.2	RN 6 to 9 mm	0	0	140	140

7.3	RN 10 mm	1	0	0	1
	Total Ring nets				401
8	Lift Nets(mesh size)				
8.1	LN < 5 mm	1	0	237	238
	Total Lift nets				
9	Hooks				
9.1	No. of Hand lines	102	190	0	292
9.2	No. Long line hooks				
9.2.1	LL <4	25	0	0	25
9.2.2	LL 4-7	20	3,483	500	4,003
9.2.3	LL 8-9	169	62,799	7,300	70,268
9.2.4	LL >10	8	80,440	0	80,448
	Total Long line hooks				155,036
10	Other gears				
10.1	Traps	26	523	5	554
10.2	Light	228	225	501	954

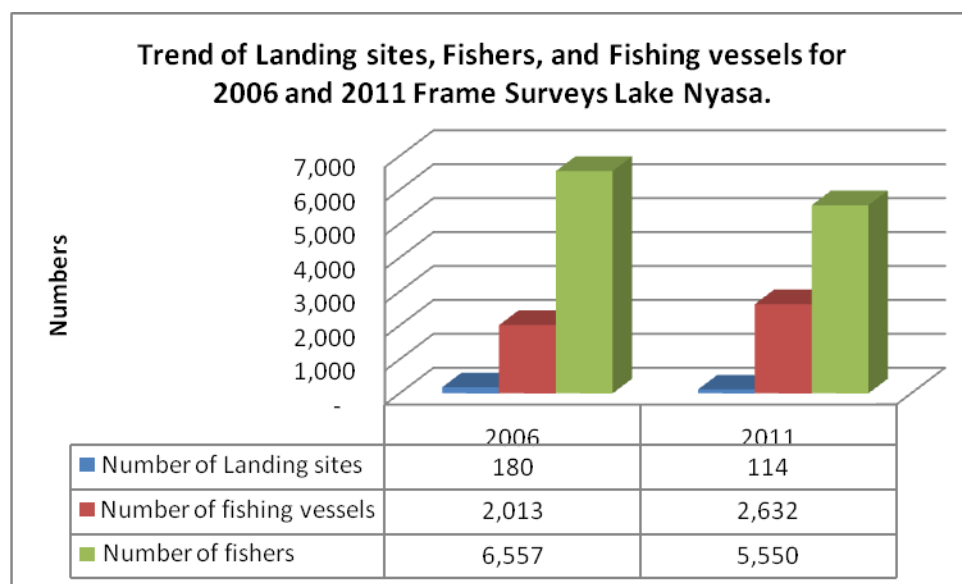


Figure 7: Total number of Lake Nyasa fishers, landing sites and fishing vessels for 2006 and 2011

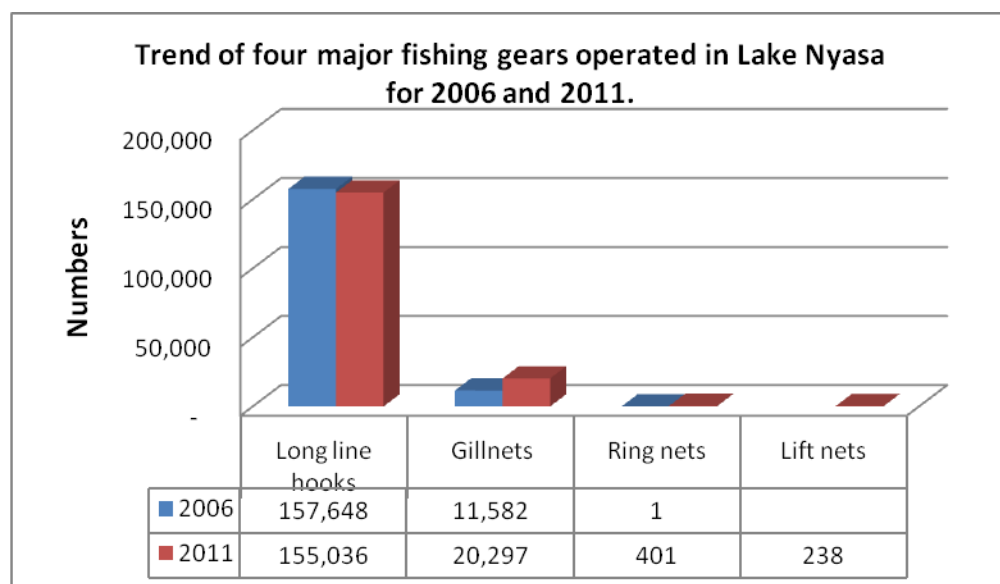


Figure 8: Trend of major fishing gears operated in Lake Nyasa for 2006 and 2011.

Table 40: Weight of fish caught in metric tons for Lake Nyasa 2012

REGION	January	February	March	April	May	June	July	August	September	October	November	December	Total
MBEYA (Kyela)	153.45	220.82	250.6	173.32	177.9	176.23	132.93	165.5	111.4	128.52	184.53	135.5	2,010.86
IRINGA(Ludewa)	172.64	194.3	160.39	165.03	180.33	243.03	92.44	255.24	278.66	154.44	147.81	217.53	2,261.65
RUVUMA(Mbinga)	726.27	813.51	533	497.19	391.29	632.49	514.29	604.59	512.29	394.29	452.79	547.19	6,626.74
TOTAL	1,052.36	1,228.63	943.99	835.54	749.52	1051.75	739.66	1025.33	902.35	677.25	785.13	900.22	10,890.00

Table 41: Value of fish caught in metric tons for Lake Nyasa 2012

REGION	January	February	March	April	May	June	July	August	September	October	November	December	Total
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MBEYA (Kyela)	562,580.8	809,573.7	918,753.6	635,428.5	652,219.8	646,097.2	487,350.0	606,758.7	408,416.4	471,182.0	676,526.8	3,300,400.6	7,371,659.6
IRINGA(Ludewa)	632,935.5	712,345.7	588,024.3	605,035.6	661,128.7	891,000.4	338,905.0	935,764.9	1,021,627.6	566,210.3	541,903.3	797,511.9	8,292,393.0
RUVUMA(Mbinga)	2,662,662.4	2,982,503.0	1,964,348.4	1,822,805.7	1,434,553.5	2,329,100.2	1,882,301.4	2,216,557.3	1,878,165.6	1,445,552.1	1,670,281.3	2,006,116.5	24,294,947.4
TOTAL	3,858,178.6	4,504,422.4	3,471,126.3	3,063,269.8	2,747,901.9	3,866,197.7	2,708,556.4	3,759,080.8	3,308,209.6	2,482,944.5	2,888,711.3	3,226,193.9	39,959,000.0

Table 42: Weight in metric tons by species and by month for Lake Nyasa, 2012

MONTH	TILAPIA	HAPLO	RAMPHO	LABEO	BAGRUS	CLARIAS	BARBAS	BARILIUS	DAGAA	OTHERS	TOTAL
JANUARY	302.13	332.9	105.8	17.57	85.55	47.08	14.73	84.99	57.89	3.66	1052.36
FEBRUARY	276.74	287.59	67.34	56.63	176.46	63.74	81.77	70.35	90.97	57.4	1228.63
MARCH	213.59	136.95	49.89	9.5	65.99	62.73	27.59	259.6	45.7	73.15	943.99
APRIL	69.8	334.82	91.36	10.8	48.77	97.36	9.95	59.88	101.7	11.02	835.54
MAY	80.74	194.14	194.14	2.3	32.62	44	14.05	88.06	119.8	27.33	749.52
JUNE	95.55	131.23	145.77	2.43	44.28	51.52	48.67	262.26	207.88	11.65	1051.75
JULY	79.49	93.45	72.33	3.06	11.5	33	19.02	235.22	141.9	50.64	739.66
AUGUST	171.7	135.33	123.06	9.78	181.15	78.9	6.87	148.56	84.6	85.56	1025.33
SEPTEMBER	28.88	136.1	147.23	40.45	164.27	52.25	11.31	116.27	96.05	109.33	902.35
OCTOBER	22.75	101.1	98.05	0	84.52	30.07	9.8	53.97	96.98	179.49	677.25
NOVEMBER	24.38	102.33	115.21	0.39	188.84	14.9	6.03	21.44	223.79	88.1	785.13
DECEMBER	153.3	96.86	120.63	129.36	100.23	99.33	3.3	75.53	102.02	19.2	900.22
TOTAL	1,519.1	2,082.8	1,330.8	282.3	1,184.2	674.9	253.1	1,476.1	1,369.3	716.5	10,890.00

Table 43: Value of fish caught in metric in 000's tsh by species and by month for Lake NYASA, 2012

MONTH	TILAPIA	HAPLO	RAMPHO	LABEO	BAGRUS	CLARIAS	BARBAS	BARILIUS	DAGAA	OTHERS	TOTAL
JANUARY	1,108,615	1,221,520	388,215	64,470	313,911	172,752	54,049	311,856	212,417	13,430	3,861,236
FEBRUARY	1,015,450	1,055,263	247,093	207,794	647,490	233,883	300,041	258,137	333,799	210,620	4,509,569
MARCH	783,732	502,515	183,063	34,859	242,139	230,177	101,237	952,558	167,688	268,411	3,466,379
APRIL	256,119	1,228,565	335,230	39,629	178,953	357,246	36,510	219,719	373,171	40,436	3,065,578
MAY	296,262	712,364	712,364	8,439	119,694	161,451	51,554	323,121	439,586	100,283	2,925,116
JUNE	350,604	481,526	534,878	8,916	162,478	189,044	178,586	962,318	762,780	42,748	3,673,880
JULY	291,675	342,899	265,403	11,228	42,197	121,088	69,791	863,100	520,678	185,815	2,713,873
AUGUST	630,024	496,570	451,548	35,886	664,699	289,510	25,208	545,116	310,425	313,948	3,762,934
SEPTEMBER	105,970	499,396	540,235	148,424	602,761	191,722	41,500	426,633	352,439	401,168	3,310,249
OCTOBER	83,477	370,969	359,778	-	310,132	110,337	35,959	198,034	355,852	658,608	2,483,145
NOVEMBER	89,458	375,483	422,743	1,431	692,916	54,673	22,126	78,670	821,159	323,268	2,881,928
DECEMBER	562,508	355,411	442,631	474,664	367,777	364,475	12,109	277,144	374,345	70,451	3,301,516
TOTAL	5,573,895	7,642,480	4,883,181	1,035,742	4,345,147	2,476,357	928,671	5,416,408	5,024,340	2,629,185	39,959,000

Table 44: Species percentage composition by month for Lake Nyasa, 2012

MONTH	TILAPIA	HAPLO	RAMPHO	LABEO	BAGRUS	CLARIAS	BARBAS	BARILIUS	DAGAA	OTHERS	TOTAL
JANUARY	2.8	3.1	12	0.16	0.8	0.4	0.1	0.8	0.5	0	9.6
FEBRUARY	2.5	2.6	0.6	0.5	1.6	0.6	0.7	0.6	0.8	0.5	11.17
MARCH	1.9	1.2	0.5	0.1	0.6	0.6	0.3	2.4	0.4	0.7	8.7
APRIL	0.7	3.3	0.9	0.1	0.5	1	0.1	0.6	1	0.1	8.4
MAY	0.7	1.7	1.3	0	0.3	0.4	0.1	0.8	1.1	0.2	6.79
JUNE	0.9	1.2	1.8	0	0.4	0.5	0.4	2.4	1.9	0.1	9.6
JULY	0.7	0.9	0.7	0	0.1	0.3	0.2	2.2	1.3	0.5	7.04
AUGUST	1.6	1.3	1.1	0.1	1.7	0.7	0.1	1.4	0.8	0.8	9.3
SEPTEMBER	0.3	1.3	1.4	0.4	1.5	0.5	0.1	1.1	0.9	1	8.2
OCTOBER	0.2	0.9	0.9	0	0.8	0.3	0.1	0.5	0.9	1.6	6.2
NOVEMBER	0.2	1	1.1	0	1.8	0.1	0.1	0.2	2.1	0.8	7.2
DECEMBER	1.4	0.9	1.1	1.2	0.9	0.9	0	0.7	0.9	0.2	7.8
TOTAL	13.9	19.4	12.2	2.4	11	6.2	2.3	13.5	12.6	6.5	100

4.5 LAKE RUKWA FISHERY STATISTICS

Table 45 Summary of Lake Rukwa fisheries Statistics 2012

Item	S/wanga district				Totals
	Mbozi	Chunya*	Sumbawanga	Mpanda	
Number of landing sites	9	28	26	9	72
Number of Fishermen	490	1031	674	1234	3429
Total weight of fish in metric tons	1,579.7		2,385.0		3,964.72
Total value of fish in 000's Tshs	5,054,991.30		7,632,116.23		13,428,205.34
Number of Fishing vessels	189	679	583	335	1786
Number of vessels sails			-		-
Number of vessels paddled			-		-
Number of vessels with engine	0		-		-
Number of Transport vessels	-		5		5
Number of Outboard engine	-		12		12
Number of Lamps	-		-		-
Gears by Types			-		-
Number of Gill nets	295	2525	5647	5740	301743
Number of Hand lines	-		5995		5995
Number of scoop nets	-		-		-
Number of Ring nets	-		-		-
Number of Long lines	4107	30998	0	0	35,105.00
Number of traps	295	2537	0	0	2832

Table 46: Weight of fish caught in metric tons for Lake Rukwa 2012

REGION	January	February	March	April	May	June	July	August	September	October	November	December	Total
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MBEYA (Mbozi)	117.8	179.87	141.9	172.7	108.3	123.58	123.49	141.1	122.55	91.7	123.2	133.55	1,579.70
SUMBAWANGA	113.05	188.35	211.5	137.6	212	188.35	231.97	227.78	144.37	227.87	294.23	208.02	2,385.00
TOTAL	230.8	368.2	353.3	310.3	320.3	311.9	355.5	368.9	266.9	319.6	417.4	341.6	3,964.70

Table 47: Value of fish caught in Metric tons for Lake Rukwa 2012

REGION	January	February	March	April	May	June	July	August	September	October	November	December	Total
MBEYA (Mbozi)	376,959	575,597	453,905	552,619	346,543	395,462	395,160	451,516	392,167	293,452	394,253	427,359	5,054,991
SUMBAWANGA	361,751	602,717	676,700	440,209	678,484	602,717	742,308	728,884	461,977	729,186	941,520	665,664	7,632,116
TOTAL	738,710	1,178,314	1,130,604	992,828	1,025,027	998,179	1,137,468	1,180,400	854,144	1,022,638	1,335,773	1,093,023	12,687,108

Table 48: Weight of fish caught in Metric tons for Lake Rukwa by Species and by Month – 2012

SPECIES	January	February	March	April	May	June	July	August	September	October	November	December	Total
ALESTES	0	0.60	0.59	0.20	2.83	0	0	0	0	0.11	0	0.17	4.50
CLARIAS	21.0	34.3	19.9	14.2	12.4	8.1	10.6	40.6	6.8	24.7	40.5	16.2	249.2
HYDROC	12.5	0.0	2.1	4.2	5.8	3.7	2.9	0.0	0.0	1.3	1.1	0.0	33.8
SYNOD	0.2	0.0	1.0	1.1	0.0	1.6	0.0	0.0	0.0	15.9	2.4	0.0	22.3
LABEO	11.4	1.0	1.4	6.1	0.7	0.4	0.0	0.0	1.0	0.2	0.0	17.7	39.9
TILAPIA	404.7	1005.9	710.8	220.2	133.3	205.2	187.5	135.7	200.6	139.2	101.3	159.8	3604.3
OTHERS	1.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	8.9	10.9
TOTAL	451.4	1041.8	735.9	246.1	155.1	219.1	200.9	176.3	208.4	181.7	145.3	202.8	3964.8

Table 49: Value of fish caught in Metric tons for Lake Rukwa by Species and By Month – 2012

SPECIES	January	February	March	April	May	June	July	August	September	October	November	December	Total
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ALESTES	0	1904.75	1874.51	634.92	9070.23	0	0	0	0	362.81	0.00	544.21	14,391.43
CLARIAS	67210.4	109628.9	63642.8	45532.6	39727.6	25850.2	33771.5	130067.1	21647.6	79062.2	129583.4	51700.3	797424.5
HYDROC	40120.7	0.0	6772.4	13544.9	18624.2	11942.5	9160.9	0.0	0.0	4232.8	3628.1	0.0	108026.5
SYNOD	786.1	0.0	3325.8	3537.4	0.0	5139.8	0.0	0.0	0.0	50763.1	7649.2	0.0	71201.3
LABEO	36401.9	3265.3	4414.2	19380.1	2388.5	1330.3	0.0	0.0	3144.3	544.2	0.0	56779.7	127648.4
TILAPIA	1,295,017.4	3,218,904.3	2,274,481.5	704,787.2	426,573.0	656,745.2	599,844.7	434,101.3	641,930.5	445,560.0	324,200.3	511,470.4	11,533,615.9
OTHERS	4958.4	0.0	393.0	0.0	0.0	0.0	0.0	0.0	0.0	1028.0	0.0	28541.0	34920.4
TOTAL	1,444,494.9	3,333,703.2	2,354,904.3	787,417.0	496,383.5	701,008.0	642,777.1	564,168.4	666,722.5	581,553.0	465,061.0	649,035.5	12,687,228.5

Table 50: Species percentage composition by Months for Lake Rukwa – 2012

SPECIES	January	February	March	April	May	June	July	September	October	November	December	Total
ALESTES	-	0.02	0.01	0	0.07	-	-	-	0	-	0	0.11
CLARIAS	0.53	0.86	0.5	0.36	0.31	0.2	0.27	0.17	0.62	1.02	0.41	6.29
HYDROC	0.32	-	0.05	0.11	0.15	0.09	0.07	-	0.03	0.03	-	0.85
SYNOD	0.01	-	0.03	0.03	-	0.04	-	-	0.4	0.06	-	0.56
LABEO	0.29	0.03	0.03	0.15	0.02	0.01	-	0.02	0	-	0.45	1.01
TILAPIA	10.21	25.37	17.93	5.56	3.36	5.18	4.73	5.06	3.51	2.56	4.03	90.91
OTHERS	0.04	-	0	-	-	-	-	-	0.01	-	0.22	0.28
TOTAL	11.39	26.28	18.56	6.21	3.91	5.53	5.07	5.25	4.58	3.67	5.12	100

5.0 FISHERIES EXPORT DATA

Table 51: Trend of Export of fish and fishery products from 2001-2012

Years	Weight in kgs	Aquarium fish in pieces	Value in US \$	Value in T.Shs.	Royalty in T.Shs.
2001	41,640,247.90	80,577	95,435,102.38	82,982,764,242.13	5,244,333,672.01
2002	32,662,878.21	28,301	105,779,930.56	99,294,249,903.45	5,957,654,995.03
2003	42,352,738.09	24,500	129,605,815.44	132,862,401,373.82	7,789,955,962.69
2004	46,011,033.37	15,784	112,761,195.13	121,922,686,607.32	7,190,356,743.06
2005	57,289,083.63	21,025	141,597,362.21	162,619,492,949.08	9,142,768,083.78
2006	44,495,623.37	21,741	138,120,145.08	170,184,661,003.08	6,236,615,179.19
2007	57,795,513.60	25,502	173,272,670.44	213,211,258,838.15	7,589,576,913.91
2008	51,426,207.32	33,066	174,409,214.42	205,054,092,452.99	6,629,846,700.13
2009	41,148,261.00	53,188	161,053,645.66	207,447,119,888.45	6,410,191,231.99
2010	39,771,833.70	40,552	187,427,053.51	263,131,442,027.71	5,876,103,557.44
2011	37,996,433.30	61,215	152,973,356.80	233,714,590,010.80	6,153,278,023.30
2012	41,394,267.90	45,550	163,299,365.50	254,901,017,111.31	6,819,926,007.14

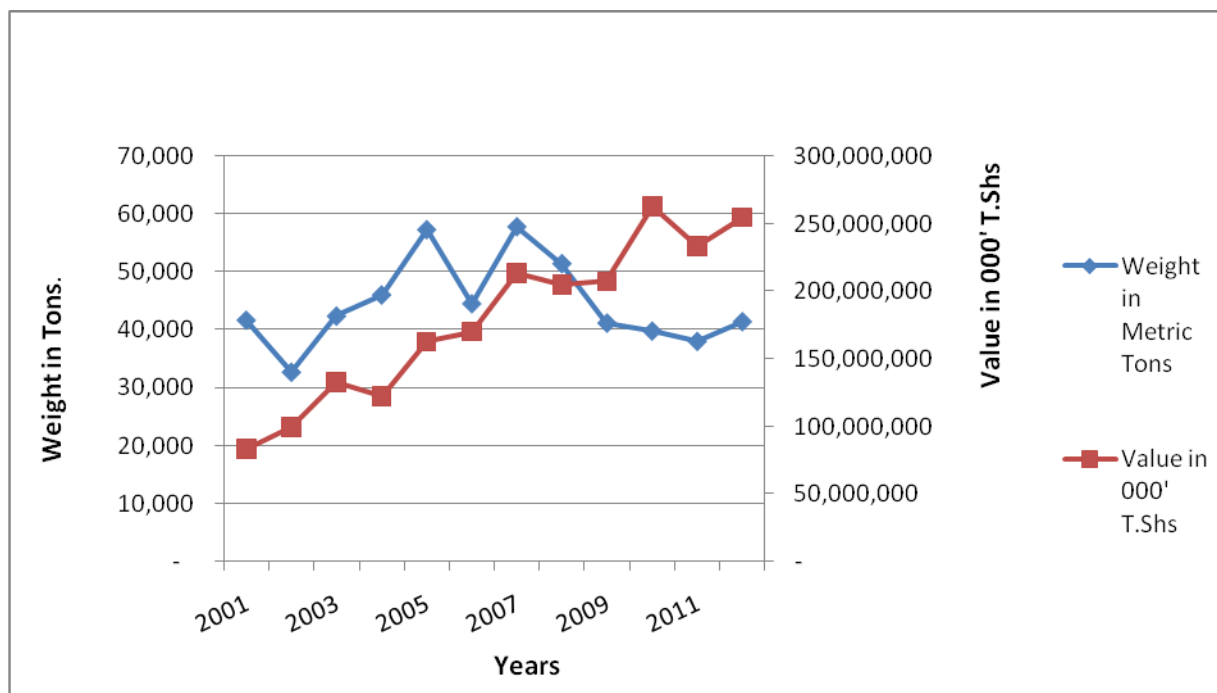


Figure 9: Trend of Export of fish and fishery products from 2001-2012

Table 52: Trend of Export of fish and fishery products for Fresh Water 2005-2012

YEARS	WEIGHT (KG)	LIVE FISH (PCs)	FOB VALUE (TSH)	FOB VALUE (TSH)	ROYALTY (TSH)
2005	54,976,270.89	21,025	130,343,858.42	150,583,872,846.70	8,515,698,670.99
2006	41,774,645.87	21,741	128,890,039.93	158,755,917,243.27	5,673,123,481.06
2007	54,974,678.7	25,502	162,906,981.36	200,546,349,673.55	7,001,434,670.09
2008	48,831,915.2	33,066	161,942,967.34	190,256,063,759.95	6,031,844,256.15
2009	39,460,677.02	53,188	137,392,825.94	177,056,983,569.14	5,350,161,515.42
2010	38,288,946.64	40,552	180,010,247.39	252,901,148,861.80	5,313,087,453.21
2011	35,905,356.60	61,215	142,864,027.70	218,651,143,071.48	5,158,799,344.95
2012	39,150,263.46	45,550	152,917,950.07	238,504,134,166.23	5,923,095,632.90
TOTAL	353,362,754.34	301,839.09	1,197,268,898.14	1,587,255,613,192.13	48,967,245,024.77

Table 53: Trend of Export of fish and fishery products for Marine Water 2005-2012

YEARS	WEIGHT (KG)	LIVE FISH (PCs)	FOB VALUE (TSH)	FOB VALUE (TSH)	ROYALTY (TSH)
2005	2,312,812.7	0	11,254,112.6	12,036,287,917.8	627,110,136.6
2006	2,720,977.5	0	9,230,105.1	11,428,743,759.8	563,491,698.1
2007	2,820,834.9	0	10,365,689.1	12,664,909,164.6	588,142,243.8
2008	2,594,292.2	0	12,466,247.1	14,798,028,693.0	598,002,444.0
2009	1,687,584.0	0	23,660,819.7	30,390,136,319.3	697,366,911.6
2010	1,482,887.0	0	7,416,806.1	10,230,293,165.9	563,016,104.2
2011	2,091,076.7	0	10,109,329.1	15,063,446,939.3	994,478,678.4
2012	2,244,004.4		10,381,415.4	16,396,882,945.1	896,830,374.2
TOTAL	17,954,469.44	0	94,884,524.28	123,008,728,904.81	5,528,438,590.96

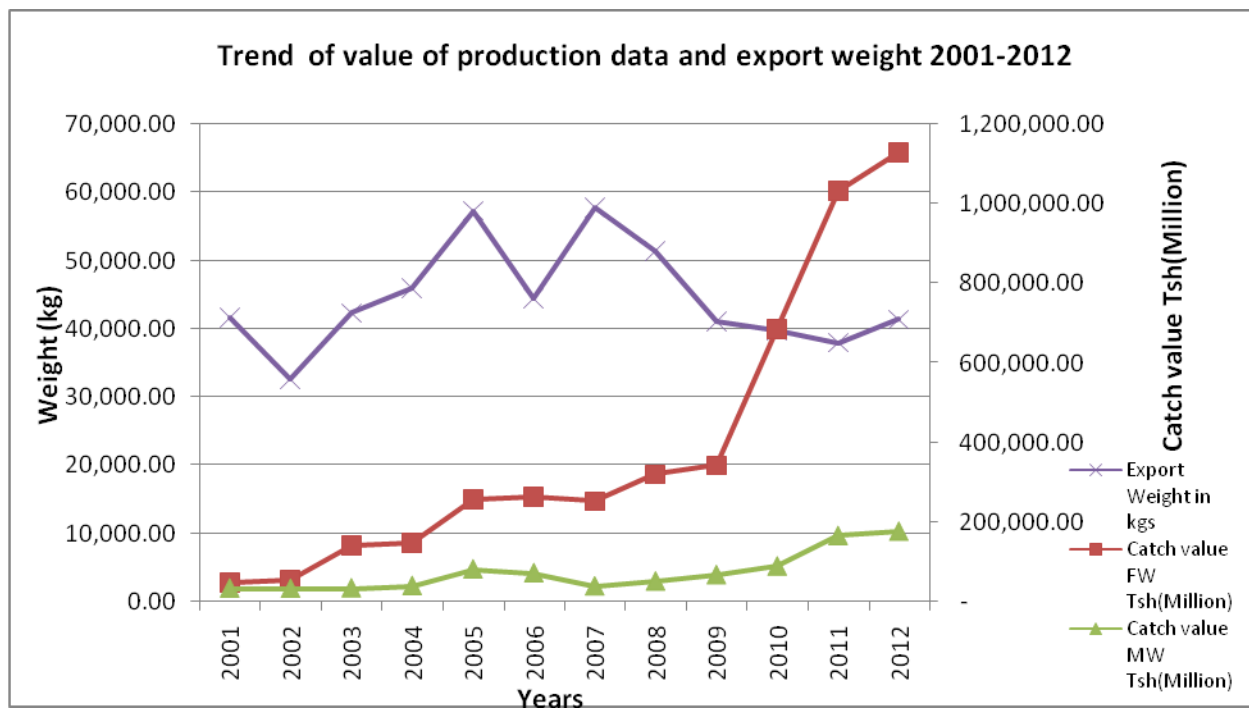


Figure 10: Trend Catch value and Export performance from 2001-2012

Table 54 : Grand summary of export of fish and fishery products for 2012

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Aquarium Fish / L.Nyasa		4,802	17,297.26	28,189,930.28	2,186,737.07
Aquarium Fish /L.Vict.		100	997.26	1,575,671.23	111,986.30
Aquarium Fish / L.Tang.		40,648	154,487.83	243,696,910.26	28,475,759.15
Dried Fish Heads/NP	87,000.00		12,750.00	19,866,597.84	3,389,000.00
Dried Clarias/L.Tang.	267		801	1,318,275.00	13,000.00
Dried Clarias/ L.Vict.	1,420.00		4,260.00	6,986,400.00	20,000.00
Dried Dagaa/L.Rukwa	12,191.00		36,573.00	59,550,183.00	489,000.00
Dried Dagaa/L.Tang.	1,143,163.10		2,434,965.40	3,844,125,457.69	107,582,557.00
Dried Dagaa/L.Vict.	7,729,769.00		5,874,665.79	9,192,645,014.68	522,045,178.95
Dried Dagaa/marine	385,435.70		419,169.92	675,247,167.03	19,867,040.43
Dried Dagaa/L.Nyasa	35,365.00		38,394.25	49,048,217.90	2,487,015.00
Dried Fish Maws	204,663.50		4,036,993.75	6,304,527,096.33	93,963,999.89
Dried Fish Offcuts	126,000.00		32,625.00	50,938,949.35	9,834,170.00
Dried Fish /Kayabo	35,650.00		85,427.77	144,943,419.20	9,913,447.00
Dried Fish/ L.Tang.	183,604.30		528,967.53	818,159,407.60	44,022,000.00
Dried Furu/ L. Vict.	454,002.00		457,792.39	579,277,640.90	18,236,650.00
Dry salted Perege/L.Rukwa	384,793.00		1,000,567.42	1,669,854,227.00	14,000,360.00
Dried Dagaa/L.Rukwa.	121		363	593,868.00	5,000.00
Dried Perege/L.Vict.	676		2,028.00	2,111,148.00	151,700.00
Dried Perege/Mtera dam	3,072.00		9,216.00	9,293,656.00	874,700.00
Dried Uduvi/ marine	300		561.24	900,000.00	22,500.00
Fish Frames	2,592,496.00		814,444.60	1,267,639,569.47	39,241,866.50
Fish Meal	300,008.00		58,882.40	91,740,106.20	8,992,712.00
Fresh Fish Fillets	8,789,288.00		40,449,228.09	62,984,385,586.80	1,700,473,402.11
Fresh Fish /L .Vict.	300		300	475,800.00	62,805.60

Fresh Fish Maws	12,786.00		199,326.00	305,536,158.13	3,899,662.00
Fresh Fish / L.Tang.	241,114.30		1,225,017.88	1,937,419,959.40	45,213,997.00
Fresh G&G Fish	417,105.00		1,892,709.75	2,950,119,370.17	86,237,068.12
Frozen Lobster/ w	10,488.00		102,934.42	161,030,327.82	7,027,205.31
Frozen Lobster /Tails	1,644.40		12,750.09	19,795,292.05	1,045,768.62
Frozen Octopus	1,095,246.40		5,138,395.98	8,090,458,214.26	418,289,014.89
Frozen Cuttle fish	12,576.00		20,919.50	32,725,744.00	72,552,911.77
Frozen Prawns/ farmed	116,688.00		610,347.86	966,382,454.48	6,111,474.00
Frozen Prawns/ wild	146,246.10		837,885.40	1,327,346,710.05	64,376,245.50
Frozen Prawns /PUD	3,376.00		16,189.50	26,187,213.00	10,992,465.00
Frozen Squids	28,849.50		139,813.02	218,422,560.46	12,706,574.69
Frozen Crabs	12,527.00		253.3	464,045.22	106,531,407.07
Frozen Fish Fillets	12,730,685.70		65,990,424.90	102,959,069,053.07	2,435,290,648.85
Frozen Fish Off cuts	775,995.00		438,342.05	626,521,675.39	63,745,268.10
Frozen Fish Belly flaps	5,000.00		1,000.00	1,549,184.00	580,900.00
Frozen Fish Chests	256,050.00		141,411.00	215,336,289.73	30,226,815.01
Frozen Fish Heads/NP	197,500.00		29,625.00	46,091,435.06	7,682,400.00
Frozen Fish Maws	1,292,164.50		21,321,904.82	33,313,918,778.38	234,885,905.86
Frozen Fish/marine	66,986.40		114,526.13	180,692,571.92	11,449,746.73
Frozen H & G Fish	1,128,203.00		5,683,747.90	8,866,829,576.45	238,886,754.05
Live Crabs	248,197.00		1,641,309.92	2,602,340,263.98	244,899,566.82
Live Lobster	60,861.00		1,220,308.09	1,929,272,307.90	85,296,000.75
Nile Perch Oil	200		18.61	30,000.00	4,200.00
Sea shell/ Cowries	61,730.00		27,632.00	43,712,625.00	4,879,420.00
Smoked Fish/L.Tang.	2,464.20		20,813.50	32,675,001.60	652,000.00
GRAND TOTAL	41,394,267.90	45,550	163,299,365.50	254,901,017,111.31	6,819,926,007.14

Table 55: Export of fish and fishery products from Lake Victoria for 2012

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Aquarium Fish /L.Vict.		100	997.26	1,575,671.23	111,986.30
Dried Fish Heads/NP	87,000.00		12,750.00	19,866,597.84	3,389,000.00
Dried Clarias/ L.Vict.	1,420.00		4,260.00	6,986,400.00	20,000.00
Dried Dagaa/L.Vict.	7,691,329.00		5,797,334.85	9,072,165,014.68	519,730,984.95
Dried Fish Maws	204,663.50		4,036,993.75	6,304,527,096.33	93,963,999.89
Dried Fish Offcuts	126,000.00		32,625.00	50,938,949.35	9,834,170.00
Dried Fish /Kayabo	35,650.00		85,427.77	144,943,419.20	9,913,447.00
Dried Furu/ L. Vict.	454,002.00		457,792.39	579,277,640.90	18,236,650.00
Dried Perege/L.Vict.	676		2,028.00	2,111,148.00	151,700.00
Fish Frames	2,522,496.00		786,444.60	1,223,746,009.07	38,253,048.50
Fish Meal	300,008.00		58,882.40	91,740,106.20	8,992,712.00
Fresh Fish Fillets	8,684,972.00		39,912,310.89	62,143,556,776.11	1,680,852,729.29
Fresh Fish /L .Vict.	300		300	475,800.00	62,805.60
Fresh Fish Maws	12,786.00		199,326.00	305,536,158.13	3,899,662.00
Fresh G&G Fish	411,690.00		1,866,717.75	2,909,358,347.13	85,116,140.12
Frozen Fish Fillets	12,588,313.70		65,285,770.66	101,856,128,139.85	2,408,559,708.89
Frozen Fish Off cuts	775,995.00		438,342.05	626,521,675.39	63,745,268.10
Frozen Fish Belly flaps	5,000.00		1,000.00	1,549,184.00	580,900.00
Frozen Fish Chests	256,050.00		141,411.00	215,336,289.73	30,226,815.01
Frozen Fish Heads/NP	197,500.00		29,625.00	46,091,435.06	7,682,400.00
Frozen Fish Maws	1,292,164.50		21,321,904.82	33,313,918,778.38	234,885,905.86
Frozen H & G Fish	1,128,203.00		5,683,747.90	8,866,829,576.45	238,886,754.05
TOTAL	36,776,218.70	100	146,155,992.09	227,783,180,213.04	5,457,096,787.55

Table 56: Trend of Nile perch export performance from 2001 – 2012

Year	Weight (Kg)	Value		Royalty T.sh
		US \$	T.sh	
2001	39,038,599.70	86,178,585.67	74,928,607,542.35	4,685,276,229.20
2002	29,479,322.71	88,231,655.07	83,005,557,292.23	4,980,333,437.53
2003	37,286,859.16	112,049,948.54	114,779,736,803.55	6,707,948,377.98
2004	30,312,898.30	76,261,406.40	82,356,866,789.00	5,171,324,343.40
2005	53,675,473.70	129,184,492.60	148,785,948,008.60	8,419,301,970.40
2006	39,472,977.70	126,829,665.70	156,160,190,326.60	5,491,786,878.80
2007	50,078,575.60	158,442,058.50	195,242,463,549.70	6,660,034,977.00
2008	38,721,422.20	153,740,723.30	180,366,779,818.20	5,412,912,979.20
2009	28,721,577.00	130,644,300.10	168,368,910,379.90	4,628,409,654.50
2010	27,229,470.70	139,666,995.10	194,012,069,313.90	4,509,670,993.80
2011	25,426,157.20	127,601,694.31	197,899,741,508.31	4,299,987,312.20
2012	28,951,094.70	141,189,161.64	220,149,518,645.58	4,967,311,025.08

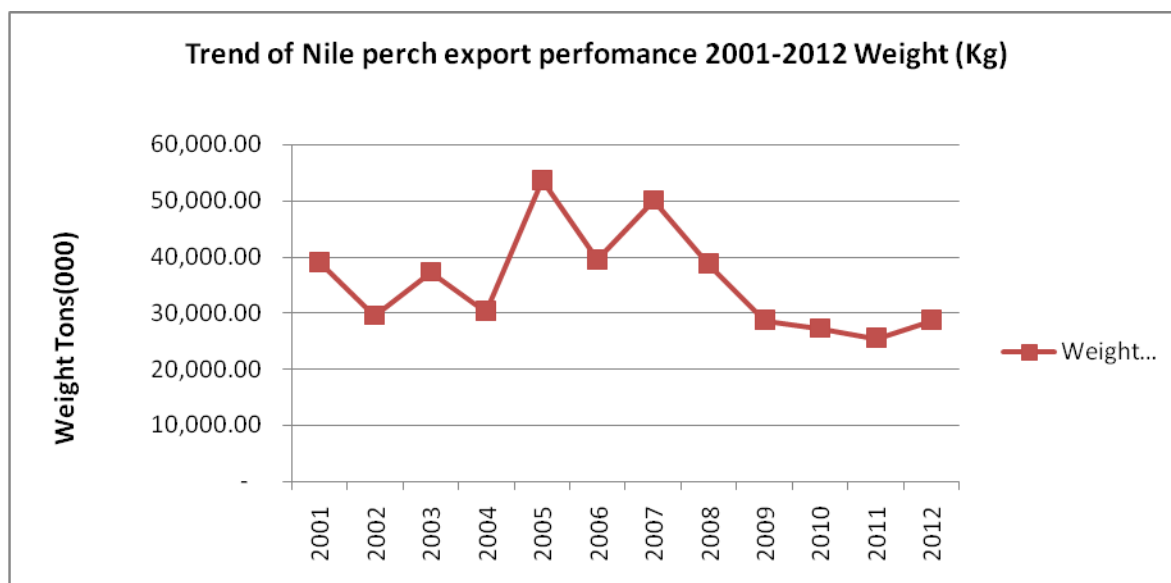


Figure 11: Trend of Nile perch export performance from 2001-2012

Table 57: Export of fish and fishery products from Marine waters for 2012

FISH PRODUCTS	WEIGHT IN KGS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Dried Dagaa/marine	385,435.70	419,169.92	675,247,167.03	19,867,040.43
Dried Shrimps/Uduvi	300	561.24	900,000.00	22,500.00
Frozen Lobster/ w	10,488.00	102,934.42	161,030,327.82	7,027,205.31
Frozen Lobster /Tails	1,644.40	12,750.09	19,795,292.05	1,045,768.62
Frozen Octopus	1,095,246.40	5,138,395.98	8,090,458,214.26	418,289,014.89
Frozen Cuttle fish	8,610.00	45,489.36	70,818,131.01	3,751,218.22
Frozen Prawns/ farmed	116,688.00	610,347.86	966,382,454.48	6,111,474.00
Frozen Prawns/ wild	146,241.10	837,815.50	1,327,243,500.55	64,371,558.93
Frozen Prawns /PUD	3,376.00	16,189.50	26,187,213.00	10,992,465.00
Frozen Squids	26,323.50	128,131.02	200,173,056.66	11,601,668.95
Frozen Crabs	12,505.00	68,343.82	106,518,753.37	7,284,588.89
Frozen Fish/marine	66,358.40	112,036.73	176,803,637.96	11,390,883.41
L ive Crabs	248,197.00	1,641,309.92	2,602,340,263.98	244,899,566.82
Live Lobster	60,861.00	1,220,308.09	1,929,272,307.90	85,296,000.75
Nile Perch Oil	200	18.61	30,000.00	4,200.00
Sea shell/ Cowries	61,730.00	27,632.00	43,712,625.00	4,879,420.00
TOTAL	2,244,204.40	10,381,434.05	16,396,912,945.08	896,834,574.24

Table 58: Export of fish and fishery products by water bodies for Lake Tanganyika, Lake Nyasa, Lake Rukwa and Mtera dam 2012

a) Lake Tanganyika

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Aquarium Fish / L.Tang.		40,648	154,487.83	243,696,910.26	28,475,759.15
Dried Clarias/L.Tang.	267.0		801.00	1,318,275.00	13,000.00
Dried Dagaa/L.Tang.	1,095,589.4		2,377,871.00	3,754,459,146.79	103,537,557.00
Dried Fish/ L.Tang.	166,600.7		478,376.73	739,860,557.60	42,882,000.00
Fresh Fish / L.Tang.	241,114.3		1,225,017.88	1,937,419,959.40	45,213,997.00
Smoked Fish/L.Tang.	2,464.2		20,813.50	32,675,001.60	652,000.00
TOTAL	1,506,035.5	40,648	4,257,367.95	6,709,429,850.65	220,774,313.15

b) Lake Nyasa

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Aquarium Fish / L.Nyasa		4,802	17,297.26	28,189,930.28	2,186,737.07
Dried Dagaa/L.Nyasa	35,365.0		38,394.25	49,048,217.90	2,487,015.00
TOTAL	35,365.0	4,802	55,691.51	77,238,148.18	4,673,752.07

c) Lake Rukwa

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Dried Dagaa/L.Rukwa	12,312.0		36,936.00	60,144,051.00	494,000.00
Dry salted Perege/L.Rukwa	384,793.0		1,000,567.42	1,669,854,227.00	14,000,360.00
TOTAL	397,105.0	0	1,037,503.42	1,729,998,278.00	14,494,360.00

d) Mtera Dam

FISH PRODUCTS	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Dried Perege/Mtera dam	3,072.0		9,216.00	9,293,656.00	874,700.00
TOTAL	3,072.0	0	9,216.00	9,293,656.00	874,700.00

Table 59: Weight and Value of export data by country of destination for 2012

COUNTRY OF DESTINATION	WEIGHT IN KGS	LIVE FISH IN PCS	FOB VALUE IN USD	FOB VALUE IN TSH	ROYALTY IN TSH
Angola	1,080.0	0	8,297.00	12,690,000.00	123,000.00
Australia	588,463.0	0	3,191,825.00	4,988,829,328.33	118,166,938.67
Belgium	1,414,695.0	0	7,716,590.40	12,023,481,441.65	267,657,203.84
Thailand	280.0	230	7,622.00	12,093,330.28	553,288.00
Botswana	2,450.0	0	12,693.78	20,128,776.22	1,480,762.00
Brazil	4,730.0	0	1,540.00	2,440,900.00	187,430.00
Brighton VIC	54,000.0	0	282,600.00	440,301,096.00	10,095,837.84
Burundi	445,393.6	0	1,252,924.94	1,967,034,286.25	73,595,005.76
Canada	37,780.7	1,821	159,683.31	253,973,742.74	16,301,876.00
China	75,271.0	480	621,495.16	979,944,466.78	51,358,635.00
Columbia	36,980.0	0	200,200.00	313,410,536.00	7,039,426.00
Cuba	52,800.0	0	303,600.00	472,606,863.96	9,863,099.77
Cyprus	280,410.0	0	1,233,345.00	1,926,266,796.00	55,862,625.83
Czech Republic	0.0	766	4,744.00	7,497,406.00	505,507.00
Denmark	1,485,338.0	911	7,036,787.30	10,975,521,578.30	318,620,157.08
DRC	4,675,797.5	0	4,233,343.45	6,793,742,809.99	195,092,722.50
Spain	50,400.0	0	249,000.00	387,703,668.00	9,420,540.60
Ethiopia	26,325.0	0	105,762.00	167,690,860.00	5,756,479.03
France	744,564.0	1,486	3,547,019.40	5,556,574,122.13	144,155,082.77
Germany	268,780.5	12,692	1,380,541.00	2,131,419,550.60	53,187,788.22
Greece	412,472.0	0	1,918,382.83	2,886,491,530.37	78,129,139.76
Hong Kong	829,787.0	4,612	12,632,174.75	19,739,715,883.56	296,983,430.27
Reunion	18,000.0	0	99,000.00	154,242,000.00	3,365,280.00
Israel	1,449,930.0	0	7,887,557.00	12,314,870,963.11	283,610,406.87
Italy	4,328,099.1	0	18,563,377.39	28,949,647,173.55	892,038,468.50
Japan	1,049,739.0	278	5,987,029.40	9,330,302,598.38	193,291,808.51
Jordan	504.0		3,603.60	5,592,068.64	93,852.90
Kenya	8,008,621.5	0	10,787,358.51	16,918,535,286.60	784,664,155.40
Malawi	418,161.0	0	313,367.25	489,679,033.32	19,649,500.00
Malaysia	33,916.0	572	228,444.00	356,491,037.20	7,053,504.11

Malta	59,730.0	0	275,381.00	430,507,071.24	16,056,735.00
Mauritius	16,800.0	0	85,680.00	133,755,810.55	3,147,196.00
Mexico	24,000.0	0	120,000.00	187,374,648.00	4,496,992.00
Murcia	35,952.0	0	166,729.20	260,843,986.57	6,748,225.00
India	35,360.0	0	20,459.70	32,408,985.00	2,848,950.00
Netherlands	3,733,694.7	0	19,028,519.89	29,714,682,998.81	784,813,105.28
Norway	28.0	0	14.25	22,520.00	3,300.00
Philippines	24,000.0	226	92,782.00	144,866,616.00	5,651,103.81
Polland	750.0	500	4,170.00	6,513,651.20	493,620.00
Portigual	1,729,634.5	0	8,193,371.51	12,570,660,269.10	489,027,128.78
Romania	349,678.0	0	1,942,185.80	3,024,930,021.15	65,714,431.40
Rwanda	1,128,317.0	0	1,058,537.83	1,666,122,180.39	84,064,345.19
South Korea	26,218.7	987	198,055.83	314,504,204.80	10,992,736.00
Saud Arabia	529,810.0	0	3,441,751.20	5,469,789,477.26	98,947,231.00
Scotland	55.4	0	111.00	178,155.00	6,470.00
Singapore	270,349.0	3,928	1,184,827.32	1,868,509,366.60	174,726,501.14
South Africa	1,106.2	0	7,076.00	11,033,668.29	217,211.85
Spain	1,389,182.0	0.0	7,467,918.3	11,642,340,982.0	236,248,243.6
Sweden	8.0	764	3,756.13	5,966,162.00	1,110,875.29
Taiwan	0.0	112	320.00	503,800.00	74,795.00
Iran	89,004.0	0	530,374.60	913,000,000.82	16,632,026.76
Thailand	5,850.0	0	99,250.00	156,815,001.00	5,374,730.00
Tortola Island	1,165,400.0	0	6,697,376.40	10,440,320,380.29	248,672,218.68
Turkey	60,140.0	9,210.0	267,130.6	422,430,007.1	26,930,567.0
UAE	2,427,726.8	200	17,399,671.06	27,142,720,084.49	444,010,515.64
Uganda	354,378.0	0	487,394.52	760,066,299.29	12,054,975.00
UK	24,414.0	320	99,621.70	159,140,604.00	1,250,640.00
U S A	180,140.0	5,455	867,348.00	1,377,050,817.00	79,015,492.00
Venezuela	24,000.0	0	139,250.00	220,931,126.00	4,488,437.00
Vietam	114,376.0	0	1,149,790.60	1,817,589,432.31	30,821,181.00
Zambia	793,123.9	0	2,407,786.12	3,592,705,165.15	71,570,500.52
Zimbabwe	42,226.0	0	59,545.70	94,658,472.51	2,560,800.00
TOTAL	41,394,267.9	45,550	163,299,365.50	254,901,017,111.31	6,819,926,007.14

Table 60: List of Potential exporters of fish and fishery products for 2012

S/N	LOCATION/REGION	NAME OF FISH PROCESSING ESTABLISHMENT	INSTALLED CAPACITY TONS/DAY	CURRENT PROCESSING CAPACITY TONS./DAY	% OF ANNUAL PROCESSED PRODUCTS	TYPES OF PRODUCT
1	Mwanza	Vic Fish Ltd	140	60	43	Nile Perch Products:
		ADDRESS : P.O.BOX 1654				Frozen and Chilled fillets,
		MWANZA				Headed & Gutted
		TEL.+255-28-2552306/2551596				and Frozen Fish maws.
		FAX.+255-28-2550597				
		E- mail: admin.vicmwz@naturesbountytz.com				
2	Mwanza	Nile Perch Fisheries Ltd	100	70	70	Nile Perch Products:
		ADDRESS: P. O. Box 1753,				Frozen and Chilled fillets,
		MWANZA.				Headed & Gutted
		Tel: 255 28 2570329				and Frozen Fish maws.
		Fax: 255 28 2570430				
		E-mail: info@nileperchfisheries.com				
3	Mwanza	Tanzania Fish Processors Ltd	120	80	67	Nile Perch Products:
		ADDRESS: P. O. Box 3001,				Frozen and Chilled fillets,
		MWANZA.				Headed & Gutted
		Tel: 255 28 2550105				and Frozen Fish maws.
		Fax: 255 28 2550482				
		Mobile: 255 784 233650				
4	Mwanza	Mwanza Fishing Industries Ltd	120	50	42	Nile Perch Products:
		ADDRESS: P. O. Box 348,				Frozen and Chilled fillets,
		MWANZA.				Headed & Gutted
		Tel: 255 28 2560868				Frozen Fish maws.
		Fax: 255 28 2561184				and Belly Flaps, Fish Chest
		Mobile: 255 784 522276				

		255 784 521027 E- mail: mwanzafish@africaonline.co.tz				
5	Mwanza	Omega Fish Ltd ADDRESS: P.O.BOX 94 MWANZA TEL+.255-28-2560665/ 2560336 FAX. +255-28-2560561 E-mail: omegafish@africaonline.co.tz	70	10	14	Nile Perch Products: Frozen and Chilled fillets, Headed & Guttred and Frozen Fish maws.
6	Musoma	Prime Catch (Exporters Ltd) ADDRESS: P. O. Box 786 MUSOMA. Tel: 255 28 2640002 Fax: 255 28 2640202 Mobile: 255 784 493970 E-mail: pcl@tilleygroup.com	100	50	50	Nile Perch Products: Frozen and Chilled fillets, and Frozen Fish maws.
7	Musoma	Musoma Fish Processors ADDRESS: P. O. Box 1149, MUSOMA. Tel: 255 28 2622988/9 Fax: 255 28 2622112 Mobile: 255 7 13 275225 255 713 298937 E-mail: mspl@alphatz.com	60	35	58	Nile Perch Products: Frozen and Chilled fillets, and Frozen Fish maws.
8	Bukoba	Kagera Fish Company Ltd ADDRESS: P. O. Box 180 BUKOBA. Tel: 255 744 000888/660963 E.mail kagera@yahoo.co.uk	20	20	100	Nile Perch Products: Frozen and Chilled fillets, and Frozen Fish maws.

9	Bukoba	Vic Fish Ltd	60	30	50	Frozen and Chilled fillets,
		ADDRESS: P. O. Box 1139,				and Frozen Fish maws.
		BUKOBWA.				
		Tel: 255 28 220565/41/63				
		Fax: 255 28 220566				
		Mobile: 255 784 780633				
		E-mail: admin.vicbkb@naturersbountytz.com				
10	Mwanza	Tanzania Fisheries Development Co. Ltd.				
11	Mwanza	Tan Perch Ltd				
12	Rukwa	Migebuka Fisheries Ltd	2	1.3	65	Migebuka
13	Tanga	Sea Products Tanzania Ltd	6	1	17	Cephalopods & Crustaceans
		ADDRESS: P. O Box 6131				
		Tanga				
		Tel: 255272646220				
		Fax: 255 27 2646220				
		Mobile: 255754487223				
		E-mail: info@seaproductstanga.com				
14	DSM	Royal African Lobsters Tropical Ltd	3	1	33	
15	DSM	Alphakrust Ltd	3	2	67	
		ADDRESS: P.O BOX 8316				
		DARE S SALAAM				
16	DSM	Bahari Foods Ltd	4	1	25	Products: Plant Frozen
		ADDRESS: P. O Box 3978				prawns,
		DAR ES SALAAM				Sword Fish, Octopus
		Tel: 255 22 2602504/5				Squids,
		Fax: 255 22 2602490				Chilled Tuna Loins
		Mobile: 255 784 780633				and Sea Frozen Prawns.

		bhagat@vicfish.com				
		bahari@naturesbounty.tz.com				
17	DSM	Asmara Trading	2	1.5	75	
18	DSM	Siza Cold Storage	2	1.2	60	
19	Coast	Tanpesca Mafia Plant Ltd	20	10	50	Products: Plant Frozen prawns,
		ADDRESS: P.O Box 8316				Cuttle Fish, Octopus,
		DAR ES SALAAM				Squids, Crabs and Lobsters
		Tel: 255 22 2128854				
		255 22 2128828				
		Fax: 255 51 111069				
		Mobile: 255 784 900885				
		vedagiri@alphatz.com				
		Internet : http://www.alphaafrica.com				
20	DSM	Ab Marine	0.8	0.4	50	Live Lobsters &Crabs
21	DSM	Shiloh Sea Foods	0.7	0.2	29	
		ADDRESS: P. O. Box 36229				
		DAR ES SALAAM				
		Tel: 0787 500777				
		Mail: Shilohseafoods@yahoo.com				
22	DSM	E M Sea Foods	0.9	0.5	56	
23	DSM	Kassanda Enterprises Ltd	0.8	0.3	38	
		ADDRESS: P. O BOX 77172				
		DAR ES SALAAM				
24	DSM	N.F Trading Co.Limited	0.7	0.3	43	
25	DSM	Hesam Oceanic Sea Products	0.8	0.6	75	
26	DSM	Masaki Sea Products	0.8	0.2	25	
27	DSM	Eches Marine	0.5	0.2	40	

28	DSM	Kn Enterprises	0.8	0.6	75	
29	DSM	J.S Marine	0.7	0.6	86	
30	DSM	Marine Food Products Ltd	1	0.7	70	
31	DSM	Kayuyu Trading Co	1	0.5	50	
32	DSM	Lim Trading Co.Ltd	1	0.8	80	
33	DSM	Sasha Marine	0.9	0.7	78	
34	DSM	Codex Seafoods	1.2	0.9	75	
35	DSM	Iddom Ocean Products	0.7	0.5	71	
36	DSM	Robert Pahali	0.6	0.3	50	
37	DSM	Joseph Mpepo	0.5	0.2	40	
38	DSM	Nyavita Aquarium Fish Exporters Ltd	4000 pcs	3500 pcs	88	Aquarium Fish
39	DSM	Tanzania Cichlids Co. Ltd	6000 pcs	5000 pcs	83	Aquarium Fish
40	DSM	Tanganyika Sun Shine	3000 pcs	1800 pcs	60	Aquarium Fish
41	DSM	Nunu M. Mwamba	3500 pcs	3400 pcs	97	Aquarium Fish
42	DSM	Rift Valley Cichlids	3000 pcs	2600 pcs	87	Aquarium Fish
43	DSM	Cichlid land	2000 pcs	1000 pcs	50	Aquarium Fish

6.0 FISHERIES IMPORT DATA

Table 61: Summary of Fish Import from 2009-2012

YEAR	WEIGHT IN KGS	CIF V A L U E		ROYALTY IN TSHS
		VALUE IN US \$	VALUE IN TSHS	
2009	1,054,246	173,576,726	219,406,192,435	321,130,132
2010	1,919,770	1,229,344	1,668,374,629	657,934,406
2011	2,659,435	0	0	978,402,385
2012	4,885,689	3,512,976	5,507,054,266	1,681,166,953
TOTAL	10,519,140	178,319,046	226,581,621,330	3,638,633,876

Table 62: Estimated fish import for 2012

MONTH	WEIGHT IN KG	CIF IN USD	CIF IN TSH	ROYALTY IN TSH
JANUARY	280,920.0	184,059.00	290,529,863.00	112,134,161.00
FEBRUARY	657,240.0	423,689.90	652,891,709.72	260,644,075.00
MARCH	189,400.0	128,940.00	201,602,595.00	75,936,853.75
APRIL	161,900.0	139,919.60	220,110,814.00	64,215,390.00
MAY	210,130.0	434,502.00	690,327,820.00	83,405,315.00
JUNE	159,530.0	230,195.20	363,314,063.80	160,204,780.00
JULY	404,000.0	456,195.00	722,423,968.50	160,088,140.00
AUGUST	1,224,170.0	179,570.50	276,451,728.00	133,642,030.00
SEPTEMBER	216,800.0	157,994.00	242,172,790.00	85,371,855.00
OCTOBER	319,744.0	274,564.00	427,136,288.00	126,109,484.50
NOVEMBER	742,035.0	665,654.61	1,047,368,383.80	293,130,219.00
DECEMBER	319,820.0	237,692.40	372,724,242.00	126,284,650.00
TOTAL	4,885,689.0	3,512,976.21	5,507,054,265.82	1,681,166,953.25

Table 63: Summary of Import of fish and fishery products by country of origin 2012

Type of Fish and Fish Products	WEIGHT IN KG	VALUE CIF IN USD	VALUE CIF IN TSH	ROYALTY IN TSH	COUNTRY OF ORIGIN
Dried Dagaa/L.Nyasa	470	329	335,251	52,800	Malawi
Fresh Fish/ Mozambique	3,200	9,600	9,993,600	1,340,000	Mozambique
Fresh Fish/Tilapia	17,630	52,890	54,658,490	7,078,925	Mozambique and Tanzania
Frozen Bogus	11,540	6,000	9,537,900	4,587,150	China
Frozen Fish	27,000	15,030	23,807,520	10,685,250	India
Frozen Horse Mackerel	50,380	51,083	80,918,925	19,931,360	India
Frozen Kwakawa	27,000	19,200	30,336,000	10,665,000	Yemen
Frozen Mackerel	1,144,150	145,961	231,106,824	102,176,819	China, Korea and Yemen
Frozen Pacific Mackerel	1,908,119	1,640,745	2,595,870,874	852,649,592	Yemen, China, South Korea, Korea and Hongkong.
Frozen Sardines	107,470	64,134	112,137,687	42,490,138	Yemen
Frozen Scad Mackerel	54,000	39,220	62,264,103	21,432,060	China and Yemen
Frozen Tail Scad	26,000	23,400	37,177,686	10,327,135	Yemen
Frozen Tilapia	49,000	45,572	71,911,827	19,354,500	India and Vietnam
Frozen Arabian Mackerel	52,000	31,200	49,543,416	20,641,790	Yemen
Frozen Arabic Scad	81,000	54,458	86,043,640	32,008,500	Yemen
Frozen Chub Mackerel	125,000	84,750	102,594,890	49,429,200	Yemen
Frozen Indian Mackerel	962,590	752,631	1,192,462,450	381,792,790	Yemen, India, China, Korea and Vietnam
Frozen Sardines/marine	26,880	13,440	21,208,320	10,651,200	China
Frozen Yellow Tail Scad	133,260	120,734	190,759,720	52,617,450	Yemen
Frozen Yellow Tunna	27,000	19,200	30,240,000	10,631,250	Yemen
Frozen Yelow Scad Mackerel	52,000	323,400	514,145,142	20,624,045	Yemen and Oman
TOTAL	4,885,689	3,512,976	5,507,054,266	1,681,166,953	

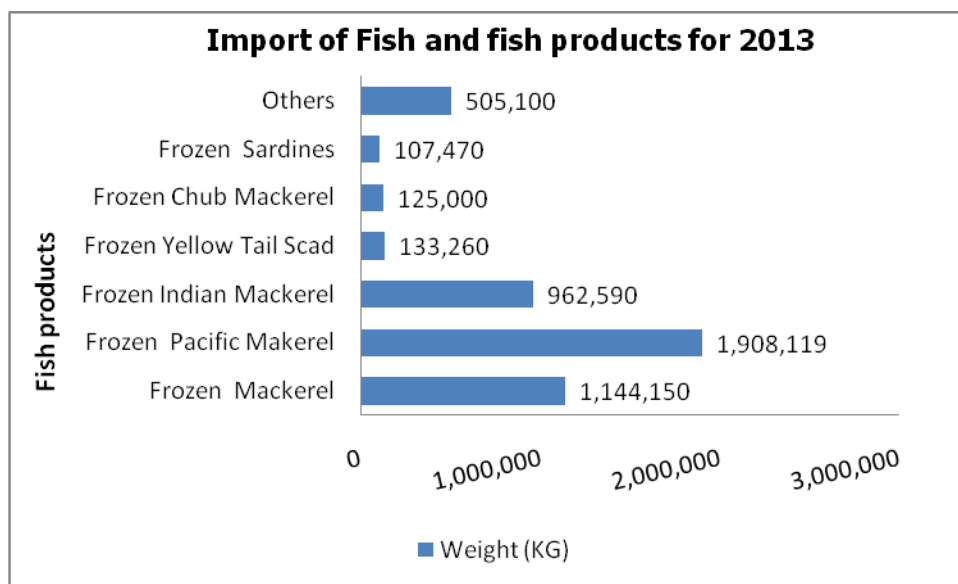


Figure 12: Import performance of fish and fish products for 2012

7.0 EEZ DATA

Table 64: Catch trend on Tuna and Tuna like species fisheries 2001 - 2012 (weight in metric tonnes)

YEARS/TYPE	SWO	YFT	BET	ALB	SKIP JACK	MARL	SHK	OTHERS	TOTAL
2001	208.4	60.2	23.3	35.9	1.3	18.5	0.0	2,158.4	2,506.0
2002	188.9	356.9	82.0	55.3	0.0	0.0	48.0	4,173.2	4,904.2
2003	14.4	3,044.7	180.5	72.4	1,734.0	0.4	0.0	9,870.2	14,916.5
2004	340.5	21,758.8	5,615.9	7,351.2	972.2	1,265.2	0.0	11,529.8	48,833.5
2005	55.5	1,979.7	505.6	293.4	281.0	13.3	1.1	9,854.9	12,984.4
2006	38.0	1,829.7	390.0	76.5	1,030.0	71.1	4.6	2,906.0	6,345.9
2007	38.6	842.5	209.5	91.7	3.2	659.2	137.5	23.2	2,005.3
2008	18.5	1,281.2	1,731.5	3,786.4	241.0	24.9	78.0	2,985.2	10,146.6
2009		350.0	191.0		157.0				698.0
2010	15.5	250.3	197.6	54.4	373.0	8.7	16.8	105.3	1,021.6
2011	0.0	272.0	62.0	0.0	683.0	0.0	0.0	0.0	1,017.0
2012	0.0	2,215.0	751.0	0.0	3,413.0	0.0	0.0	182	6,561.0

KEY:

SWO - Sword fish
YFT - Yellow fin tuna
BET - Big eye tuna
ALB - Albacore
SKIP JACK - Skip jack tuna
MARL - Marlin
SHK - Sharks
Others -e.g sail fish

Table 65: Trend of EEZ Fishing Vessels (Tuna and Tuna like Species 1998-2012)

YEAR	GEAR TYPE				LICENSED FISHING VESSELS	LICENSE FEES(USD)	LICENSE FEES(Tsh)
	Long line	Purse seine	Trawler	Pole and Line			
1998			9*		9*		12,895,986.00
1999	1				1	11,000.00	
2000	1				1	11,000.00	
2001	5	1			6	108,000.00	
2002	10				10	159,000.00	
2003	18	26			44	751,000.00	
2004	40	41	4		85	1,275,100.00	
2005	43	36			79	1,176,000.00	
2006	49	38			87	1,285,000.00	
	6*				6*		14,696,003.00
2007	29	35		2	66	956,000.00	
2008	15	20			36	538,500.00	
2010	16	34			50	1,297,400.00	
2011		38			38	1,222,310.00	
2012		36			36	1,305,698.00	

*** Tanzanian's citizen fishing vessels**



Figure 13: Trend of Licensed EEZ fishing vessels from 1998-2012

8.0 FISHERIES LICENSE DATA

Table 66: Fees collected from Sport License for 2012

SPECIES	LICENCE NO.	LICENCE FEE	DATE ISSUED	REMARKS
FIN FISH	933951	194,400	30/01/2012	RENEWAL
FIN FISH		190,800	4/4/2012	RENEWAL
FIN FISH		190,800	4/4/2012	RENEWAL
FIN FISH		190,800	4/4/2012	RENEWAL
FIN FISH	14682	190,080	4/5/2012	RENEWAL
FIN FISH	152975	190,200	17/05/2012	NEW
FIN FISH	C00152988	189,720	3/8/2012	NEW
FIN FISH	152991	189,840	9/8/2012	NEW
FIN FISH	152984	190,200	16/07/2012	NEW
FIN FISH	218708	189,264	13/12/2012	NEW
TOTAL		1,906,104		

Table 67: Fees collected from export License for fish and fishery products Mwanza zone 2005-2012

Years	TYPE OF FISH AND FISHERY PRODUCTS														Total	Fees in Tshs
	Fillets	H&G	Maws	Belly Flaps	Fish Oil	Skins&Scales	Fish Meal	Fish Offals	Fish Chest	Kayabo	Dagaa	Fish Head	Off Cuts	Fish Frames		
2005	7	5	4	1	2	2	3	2	2	4	4	1	1		38	11,115,858.00
2006	4	3	4	1	1	3	2	1	2	3	4	1	2		31	8,625,912.60
2007	5	4	4	2	1	2	2	1	3	1	2	1	4		32	8,721,150.00
2008	6	7	6	2	1	1	2		3	1	2		4		35	8,950,179.50
2009	7	7	8	3	1	3	2		3	2	3	1	4		44	9,950,252.28
2010	7	7	7	2		4	1		2	3	5	1	4	3	46	11,402,300.42
2011	7	7	12	4		4			1	4	3	1	7	3	53	9,880,954.92
2012	6	6	11	2		4	1		1	1	7	1	7	4	51	9,820,876.07
Total	49	46	56	17	6	23	13	4	17	19	30	7	33	10	330	78,467,483.79

9.0 AQUACULTURE PRODUCTION

Aquaculture production specifically refers to output from aquaculture activities, which are designated for final harvest for consumption. Output is reported in weight (generally in tones of live weight equivalent for aquatic animals, in wet weight for aquatic plants). Aquaculture production is reported by two culture environments: freshwater and marine water.

By **freshwater** is meant waters with a consistently negligible salinity, by **marine** is meant coastal and offshore waters in which the salinity is maximal and not subject to significant daily and seasonal variation.

Aquaculture production in Tanzania is small scale (mixed sex) generally with 3 fingerlings per square meter stocking density, the average area of fish pond is 300m² (15m x 20m). From 2011-2012 the estimated number of farmers for freshwater are **17,277** while in marine water there are **1,306** farmers for milk fish, **51** farmers for prawn, **188** farmers for crabs **98** farmers for pearl culture and **2,826** farmers for sea weed farmers.

Table 68: Freshwater Production by district

S/NO	REGION	DISTRICT	NO. FISH FARMERS	NO.FISH PONDS	AREA (M ²)	STOCKING RATE	PRODUCTION (KG)	SPECIES NAME
1	ARUSHA	ARUMERU	207	614	150	300	92,100	Oreochromis niloticus
2		ARUSHA	9	12	150	300	1,800	Oreochromis niloticus
3		NGORONGORO	17	6	150	300	900	Oreochromis niloticus
4		KARATU	7	7	150	300	1,050	Oreochromis niloticus
5		MONDULI	1	1	150	300	150	Oreochromis niloticus
6		LONGIDO	6	6	150	300	900	Oreochromis niloticus
SUB TOTAL			247	646	900		96,900	
7	KILIMANJARO	MOSHI (M)	49	49	150	300	7,350	Oreochromis niloticus
8		MOSHI (V)	84	132	150	300	19,800	Oreochromis niloticus
9		MWANGA	50	52	150	300	7,800	Oreochromis niloticus
10		HAI	18	18	150	300	2,700	Oreochromis niloticus
11		SAME	870	720	150	300	108,000	Oreochromis niloticus
12		ROMBO	4	4	150	300	600	Oreochromis niloticus
13		SIHA	13	13	300	600	3,900	Oreochromis niloticus
SUB TOTAL			1088	988	1200		150,150	
14	MARA	TARIME	55	71	150	300	10,650	Oreochromis niloticus
15		RORYA	4	14	150	300	2,100	Oreochromis niloticus
16		MUSOMA (M)	5	14	150	300	2,100	Oreochromis niloticus
17		MUSOMA (V)	32	32	150	300	4,800	Oreochromis niloticus
18		BUNDA	22	24	150	300	3,600	Oreochromis niloticus

19		SERENGETI	34	39	150	300	5,850	Oreochromis niloticus
SUB TOTAL			152	194	900		29,100	
20	SINGIDA	SINGIDA (M)	-	-	0	0		Oreochromis niloticus
21		SINGIDA (V)	46	46	150	300	6,900	Oreochromis niloticus
22		IRAMBA	13	13	150	300	1,950	Oreochromis niloticus
23		MANYONI	6	6	150	300	900	Oreochromis niloticus
SUB TOTAL			65	65	450		9,750	
24	DODOMA	CHAMWINO	8	8	150	300	1,200	Oreochromis niloticus
25		KONDOA	4	4	150	300	600	Oreochromis niloticus
26		MPWAPWA	18	18	150	300	2,700	Oreochromis niloticus
27		BAHI	4	4	150	300	600	Oreochromis niloticus
28		KONGWA	6	6	150	300	900	Oreochromis niloticus
29		DODOMA (M)	10	10	150	300	1,500	Oreochromis niloticus
SUB TOTAL			50	50	900		7,500	
30	MTWARA	MTWARA (M)	82	17	150	300	2,550	Oreochromis niloticus
31		MTWARA (V)	396	33	150	300	4,950	Oreochromis niloticus
32		MASASI	224	103	150	300	15,450	Oreochromis niloticus
33		NEWALA	100	77	150	300	11,550	Oreochromis niloticus
34		NANYUMBU	31	4	150	300	600	Oreochromis niloticus
35		TANDAHIMBA	43	24	150	300	3,600	Oreochromis niloticus
SUB TOTAL			876	258	900		38,700	
36	LINDI	KILWA	152	17	150	300	2,550	Oreochromis niloticus
37		LINDI (M)	62	42	150	300		Oreochromis niloticus

38		LINDI (V)	223	146	150	300	21,900	Oreochromis niloticus
39		LIWALE	360	25	150	300	3,750	Oreochromis niloticus
40		RUANGWA	48	11	150	300	1,650	Oreochromis niloticus
41		NACHINGWEA	158	28	150	300	4,200	Oreochromis niloticus
SUB TOTAL			1003	269	900		34,050	
42		Mvomero	173	173	150	300	25,950	Oreochromis niloticus
43		Morogoro (M)	10	10	150	300	1,500	Oreochromis niloticus
44		Morogoro (V)	105	105	150	300	15,750	Oreochromis niloticus
45		Ulanga	224	309	150	300	46,350	Oreochromis niloticus
		Ifakara	51	12	150	300	1,800	Oreochromis niloticus
		Kilosa	4	2	150	300	300	Oreochromis niloticus
46	MOROGORO	Kilombero	24	27	300	600	8,100	Oreochromis niloticus
SUB TOTAL			591	638	1200		99,750	
47		Mafia	-	-	0	0		Oreochromis niloticus
48		Rufiji	158	21	150	300	3,150	Oreochromis niloticus
49		Kisarawe	35	7	150	300	1,050	Oreochromis niloticus
50		Mkuranga	4	22	150	300	3,300	Oreochromis niloticus
51		Kibaha	10	7	150	300	1,050	Oreochromis niloticus
52	PWANI	Bagamoyo	8	20	150	300	3,000	Oreochromis niloticus
SUB TOTAL			215	77	750		11,550	
53		Ukerewe	78	40	150	300	6,000	Oreochromis niloticus
54	MWANZA	Nyamagana	9	34	150	300	5,100	Oreochromis niloticus

55		Ilemela	17	18	150	300	2,700	Oreochromis niloticus
56		Kwimba	1	1	150	300	150	Oreochromis niloticus
		Misungwi	240	38	150	300	5,700	
57		Magu	74	13	150	300	1,950	Oreochromis niloticus
SUB TOTAL			419	144	900		21,600	
58		GEITA	9	12	150	300	1,800	Oreochromis niloticus
59		CHATO	22	17	150	300	2,550	Oreochromis niloticus
60	GEITA	SENGEREMA	8	12	150	300	1,800	Oreochromis niloticus
SUB TOTAL			39	41	450		6,150	
61		Nkasi	123	124	150	300	18,600	Oreochromis niloticus
62		Mpanda	50	48	150	300	7,200	Oreochromis niloticus
63		Sumbawanga Mjini	471	256	150	300	38,400	Oreochromis niloticus
64	RUKWA	Sumbawanga(V)	107	107	150	300	16,050	Oreochromis niloticus
SUB TOTAL			751	535	600		80,250	
65		Tunduru	315	463	150	300	69,450	Oreochromis niloticus
66		Mbinga	951	1,124	150	300	168,600	Oreochromis niloticus
67		Songea (M)	1,051	3,571	150	300	535,650	Oreochromis niloticus
68		Songea (V)	1,327	3,227	150	300	484,050	Oreochromis niloticus
69	RUVUMA	Namtumbo	200	44	150	300	6,600	Oreochromis niloticus
SUB TOTAL			3844	8429	750		1,264,350	
70		Kyela	68	8	150	300	1,200	Oreochromis niloticus
71	MBEYA	Rungwe	460	460	150	300	69,000	Oreochromis niloticus

72		Mbalali	221	221	150	300	33,150	Oreochromis niloticus
73		Mbozi	41	89	150	300	13,350	Oreochromis niloticus
74		Ileje	188	188	150	300	28,200	Oreochromis niloticus
75		Mbeya (M)	20	20	150	300	3,000	Oreochromis niloticus
76		Mbeya (V)	82	112	300	600	33,600	Oreochromis niloticus
SUB TOTAL			1080	1098	1200		181,500	
77		Iringa (M)	154	5	150	300	750	Oreochromis niloticus
78		Iringa (V)	64	6	150	300	900	Oreochromis niloticus
79		Kilolo	405	405	150	300	60,750	Oreochromis niloticus
80	IRINGA	MUFINDI	1500	1804	150	300	270,600	Oreochromis niloticus
SUB TOTAL			2123	2220	600		333,000	
81		Babati (M)	25	54	150	300	8,100	Oreochromis niloticus
82		Babati (V)	44	51	150	300	7,650	Oreochromis niloticus
83		Mbulu	8	8	150	300	1,200	Oreochromis niloticus
84		Hanang	55	15	150	300	2,250	Oreochromis niloticus
85	MANYARA	Kiteto	8	16	150	300	2,400	Oreochromis niloticus
SUB TOTAL			140	144	750		21,600	
		Kilindi	63	19	150	300	2,850	
86		Mkinga	23	6	150	300	900	Oreochromis niloticus
87		Handeni	40	45	150	300		Oreochromis niloticus
88		Lushoto	120	293	150	300	43,950	Oreochromis niloticus
89		Pangani	-	-	0	0		Oreochromis niloticus
90	TANGA	Korogwe	2	7	150	300	1,050	Oreochromis niloticus

91		Tanga jiji	1	1	150	300	150	Oreochromis niloticus
92		Muheza	210	164	150	300	24,600	Oreochromis niloticus
SUB TOTAL			396	516	900		70,650	
93	KIGOMA	Kasulu	135	154	150	300	23,100	Oreochromis niloticus
94		Kibondo			0	0	-	Oreochromis niloticus
95		Kigoma Vijijini	150	120	150	300	18,000	Oreochromis niloticus
SUB TOTAL			285	274	300		41,100	
96	TABORA	Urambo	50	40	150	300	6,000	Oreochromis niloticus
97		Tabora Mjini	5	18	150	300	2,700	Oreochromis niloticus
98		Nzega	54	31	150	300	4,650	Oreochromis niloticus
99		Igunga	41	26	150	300	3,900	Oreochromis niloticus
100		Sikonge	44	78	150	300	11,700	Oreochromis niloticus
101		Uyui	7	7	150	300	1,050	Oreochromis niloticus
SUB TOTAL			201	200	900		30,000	
102	KAGERA	Muleba	35	80	150	300	12,000	Oreochromis niloticus
103		Chato	22	17	150	300	2,550	Oreochromis niloticus
104		Biharamulo	20	22	150	300	3,300	Oreochromis niloticus
105		Bukoba vijijini	176	39	150	300	5,850	Oreochromis niloticus
106		Karagwe	85	54	150	300	8,100	Oreochromis niloticus
107		Bukoba mjini	36	34	150	300	5,100	Oreochromis niloticus
SUB TOTAL			374	246	900		36,900	
108	SHINYANGA	Kahama	20	18	150	300	2,700	Oreochromis niloticus

109		Shinyanga (v)	10	13	150	300	1,950	Oreochromis niloticus
110		Kishapu	1	1	150	300	150	Oreochromis niloticus
			31	32	450		4,800	
111	DAR ES SALAAM	Ilala	14	25	150	300	3,750	Oreochromis niloticus
112		Temeke	52	49	150	300	7,350	Oreochromis niloticus
113		Kinondoni	16	36	150	300	5,400	Oreochromis niloticus
SUB TOTAL			82	110	450		16,500	
114		BARIADI			0	0	-	Oreochromis niloticus
115		MEATU			0	0	-	Oreochromis niloticus
116		MASWA			0	0	-	Oreochromis niloticus
117		SIMIYU	BUSEGA			0	0	-
SUB TOTAL								
118		WAGING'OMBE	985	1015	150	300	152,250	Oreochromis niloticus
119		MAKETE	1360	127	150	300	19,050	Oreochromis niloticus
120		LUDEWA	461	461	150	300	69,150	Oreochromis niloticus
121		NJOMBE	NJOMBE	450	1049	150	300	157,350
SUB TOTAL			3,256	2,652	600	1200	397,800	
TOTAL			17,277	19,794	17,400		2,913,000	

Table 69: Mariculture Production *by district*

REGION	Milk fish				Prawns		Crabs		Pearl Culture			Seaweed	
MTWARA	No. Ponds	No. Farmers	Area (m ²)	Production (Kgs)	No. Ponds	No. Farmers	No. Cages	No. Farmers	Oysters	Pearls	No. Farmers	No. Farmers	Production (tons)
Mtwara Mjini	80	82	900	144,000	1	30	430	7	1000	967	11	241	
Mtwara Vijijini	34	520	900	61,200			11	58					
LINDI													
Lindi Mjini	4	62	900	7,200								100	
Lindi Vijijini	13	223	900	23,400								1782	
Kilwa	17	152	900	30,600			160	7					
PWANI				-									
Mafia	10	147	900	18,000	30	1			320	254	65	280	
Bagamoyo	2	6	900	3,600					200		12	58	
Rufiji	12	104	900	21,600			10	60					
Mkuranga	39	7	900	70,200									
DAR ES SALAAM				-									
Ilala				-									
Kinondoni				-									
Temeke				-			22	12				20	
TANGA				-									
Tanga City	13	2	900	23,400	4	4						160	
Pangani	22	1		-	3	16	150	44				68	
Mkinga				-					259	5	10	117	
GRAND TOTAL	246	1,306		403,200	38	51	783	188	1,779	1,226	98	2,826	651