

## CONTRIBUTION OF LAKE VICTORIA DAGAA FISHERY IN EAST AND CENTRAL AFRICAN FISH TRADE

Salehe, M.A\*., Mlaponi, E., Onyango, P.O., and Mrosso, H.D.J.

Tanzania Fisheries Research Institute (Tanzania) and University of Dar es Salaam (Tanzania)

### **Abstract**

While the focus of Lake Victoria Nile-perch fishery is to serve the global market and tilapia is mainly for domestic market in Tanzania; Dagaa has a great potential for small scale trade in regional markets. In 2006 a survey was conducted to assess the regional fish marketing channel for the major commercial fish species in Lake Victoria. It was revealed that Dagaa accounts significantly in terms of volume traded in regional markets compared to Nile perch fish products. However, the latter fetches higher royalty. The present paper discusses the potential of Dagaa in regional fish trade, distribution system of Dagaa and other fish products in regional markets, and challenges faced by small-scale traders in regional fish trade and make recommendations on how to address the challenges.

## CONTRIBUTION OF LAKE VICTORIA DAGAA FISHERY IN EAST AND CENTRAL AFRICAN FISH TRADE

BY  
Salehe, M.A.; Mlaponi, E.; Onyango, P.O.;  
and Mrosso, H.D.J.

### INTRODUCTION

Dagaa  
(*Rastronebola argentea*)



- Native sardines
- Its maximum length sizes 40-60 mm
- Spawn all over the Lake Victoria
- Accounts as second commercial specie in Tanzania

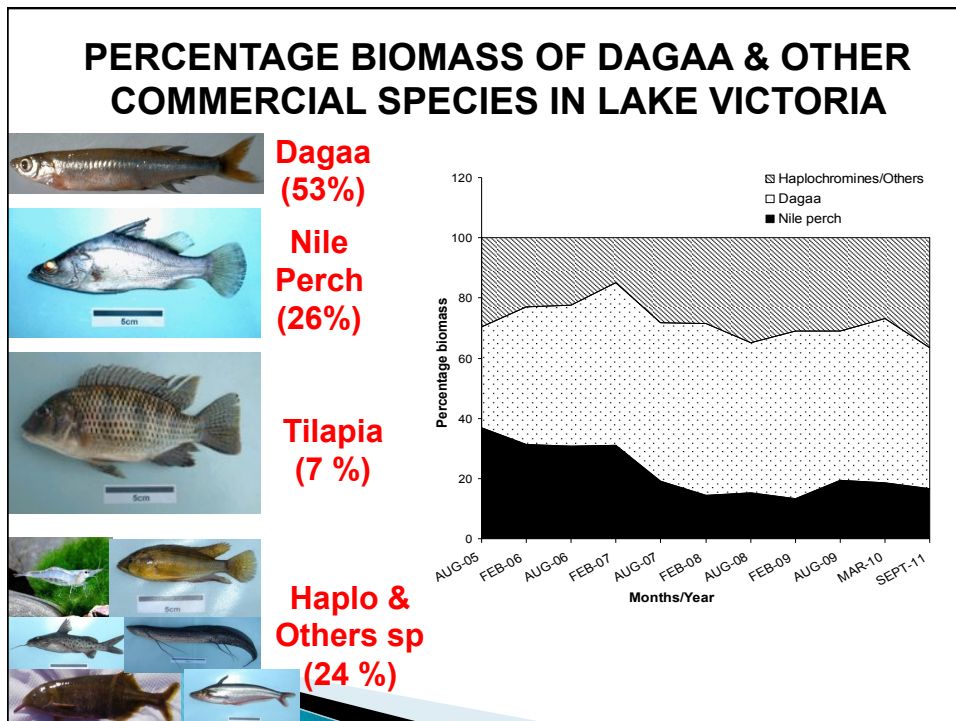
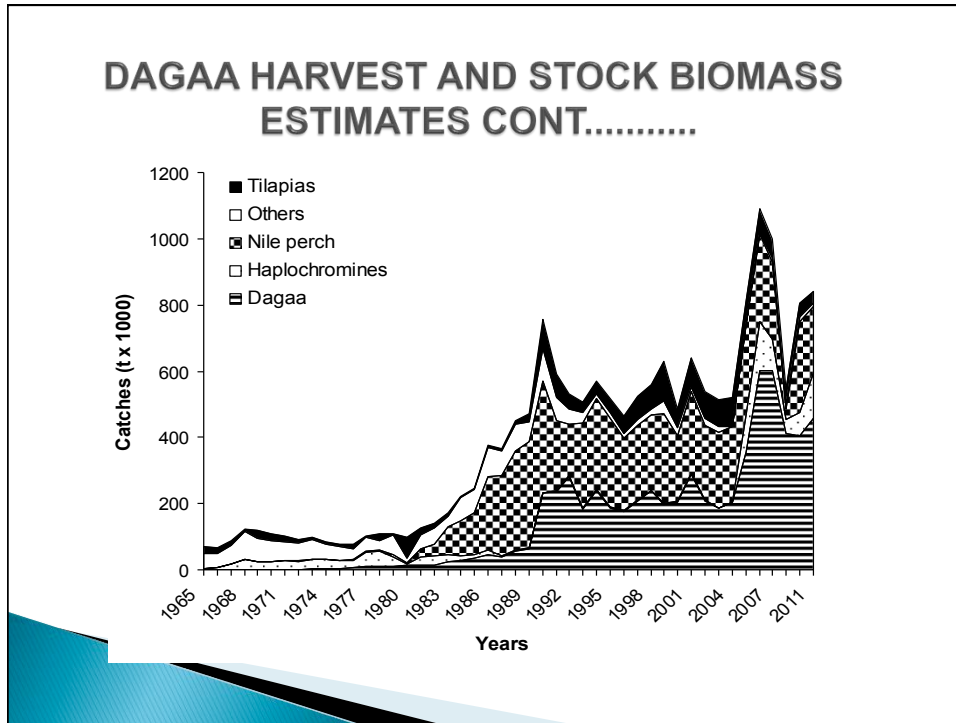
## INTRODUCTION CONT.....

- ▶ Dagua is potential for small scale trade in domestic and regional markets
- ▶ Major source of cheap protein
- ▶ Dagua has high nutritional value rich in protein and lysine
- ▶ Dagua contains the medicinal component for treating measles and kwashiorkor

## DAGAA HARVEST AND STOCK BIOMASS ESTIMATES

- ▶ Harvest undertaken by small scale fishers using Sesse boats with paddles & small seines or lift nets carried by paired boats (Catamarans)
- ▶ There about 23,493 fishers with 7,831 boats targeting dagaa
- ▶ The fishery undertaken on lunar month



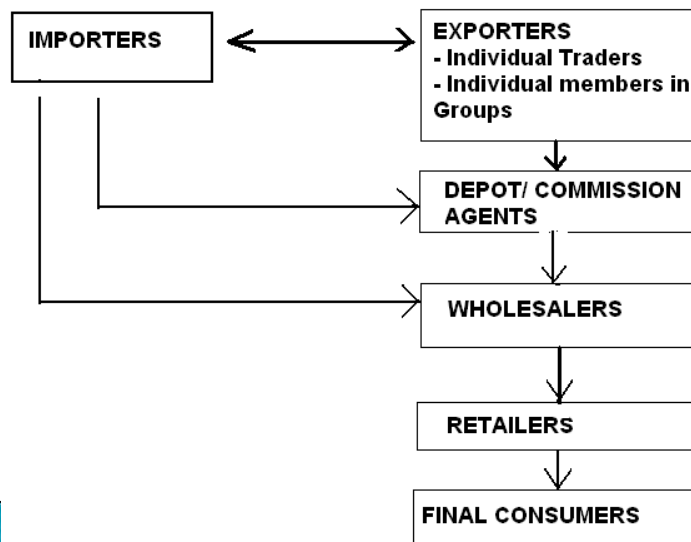


## DAGAA PROCESSING

Mass processing of dagaa for regional trade



### DISTRIBUTION CHANNELS OF DAGAA & OTHER FISH PRODUCTS IN REGIONAL MARKETS



### Licensed individual exporters

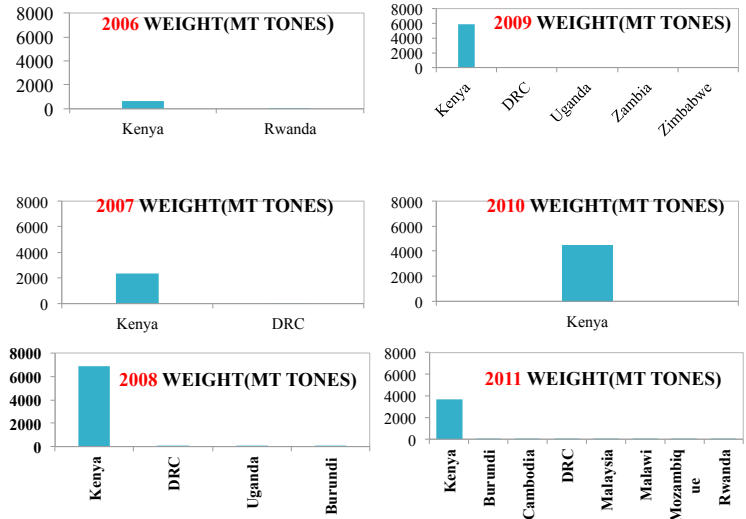
Year	Males	Females	Total
2005 - 2006	25	7	32
2008 - 2009	9	-	9
2010 - 2011	11	1	12

Source: Fisheries Division

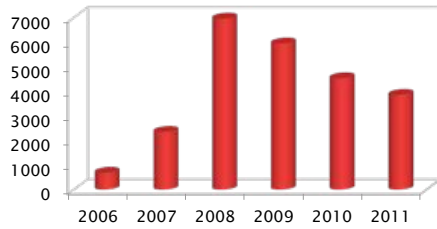
### Licensed groups Exporters

Market	Group name	Membership	
		Male	Female
Kirumba	Ushirika wa Wauza Samaki	145	10
Muganza	Uaminifu	56	4
	Jikomboe	79	12
	Tumaini	6	14
	Upendo	5	1
<b>Total</b>		<b>291</b>	<b>41</b>

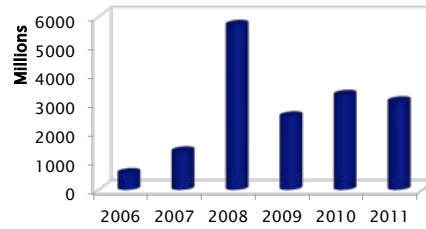
# Dagaa Regional Markets



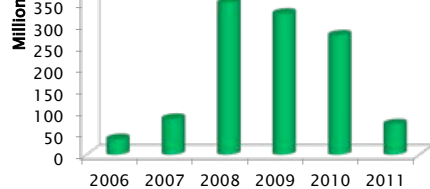
**WEIGHT (MT TONES)**

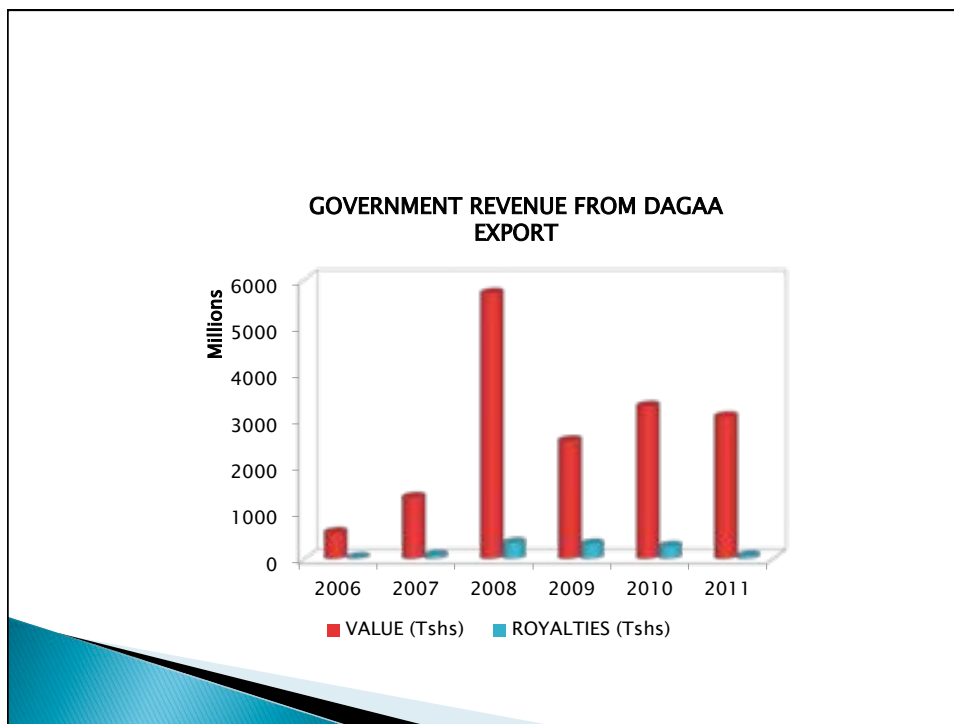


**VALUE (Tshs)**



**ROYALTIES (Tshs)**





**VALUES OF NILE PERCH BY-PRODUCTS**

<b>Year</b>	<b>Weight(mt tones)</b>	<b>Value (tshs)</b>	<b>Royalties (tshs)</b>
2006	578	192722341	20069213
2007	724	257675746	21601919
2008	1300	7301161830	35421691
2009	1643	472006451	85830275
2010	1829	834004192	82283971
2011	1531	614919862	59392017
<b>Total</b>	<b>7604</b>	<b>9672490421</b>	<b>304599086</b>



## MAJOR CHALLENGES FACING DAGAA REGIONAL TRADE

- Poor processing techniques and high post-harvest losses
- Low capital to most traders
- Lack of business knowledge

## RECOMMENDATIONS AND THE WAY FORWARD

- Encourage investment in dagaa processing
- Capacity building on financial and business management
- Regional traders should be encouraged to establish or join the available micro finance institute