

PNG PORT SAMPLING

Lkumoru

National Fisheries Authority

Papua New Guinea

History

- 1999- Madang port (data not very good)
- 2005 Madang for 3 months
- 2008 Madang, Lae, Wewak & Rabaul (3 months-90 days, April to October)
- 2009/2010 Madang, Lae, Wewak & Rabaul (12 months April 2009 to April 2010)
- May continue for other 2 years.

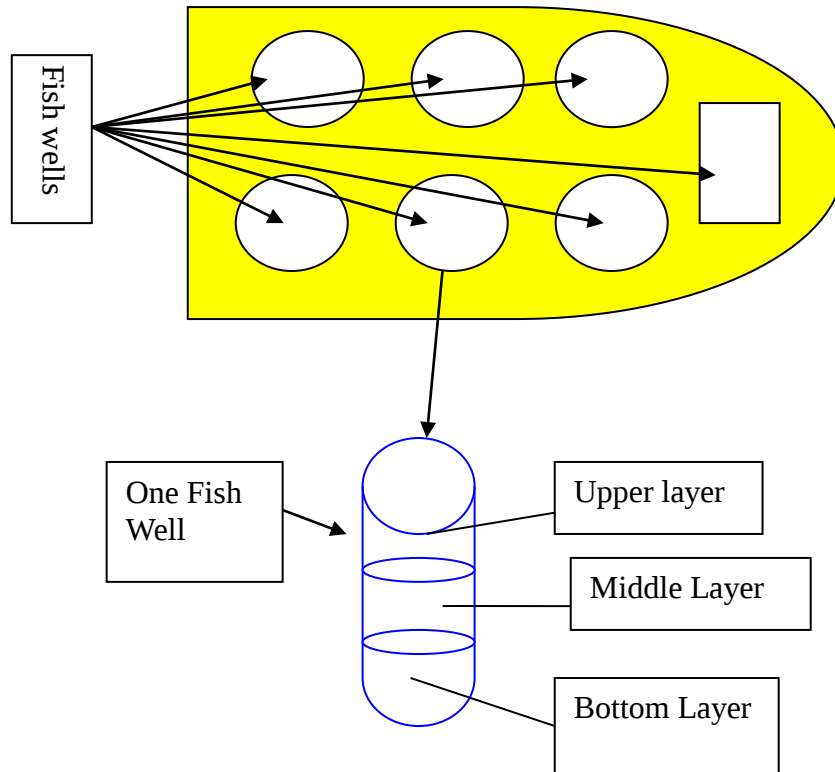
Objective

- Determine species composition of catch in PNG waters
- Size composition of tuna species

Sampling Method

- Estimated 20% by weight
- Each fish well is divided into 3 layers and 3 to 4 nets is sampled from each layer. This is 9-12 nets per well (~ 20% of the catch in the fish well by weight).
- The procedure is done for all the fish wells.
- All fish are identified to species level, and Forklength measurements taken.

Outlay of a fishing vessels showing the fish holds or fish wells



3 nets from each layer are removed and all fish identified and measured. This is equal to 9 nets per fish well. This is done for all the fish wells in the vessels.

2008- results

- Skipjack 70%
 - Yellowfin 26%
 - Bigeye 2%
 - Bycatch 2%
-
- Total # fish 376,358 from ports of Lae & Madang

Cost in 2009/ 2010

- 350,000 US Dollars(Total)
- Most cost is port samplers payment (35US per day per person).

Man power

- 50 port samplers in total
- Wewak 10
- Lae 10
- Madang 20
- Rabaul 10

Challenge

- Identification of small BET & Yellowfin.