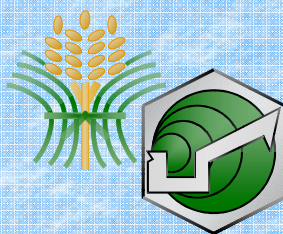


FISHERIES SITUATIONER

July-September 2007



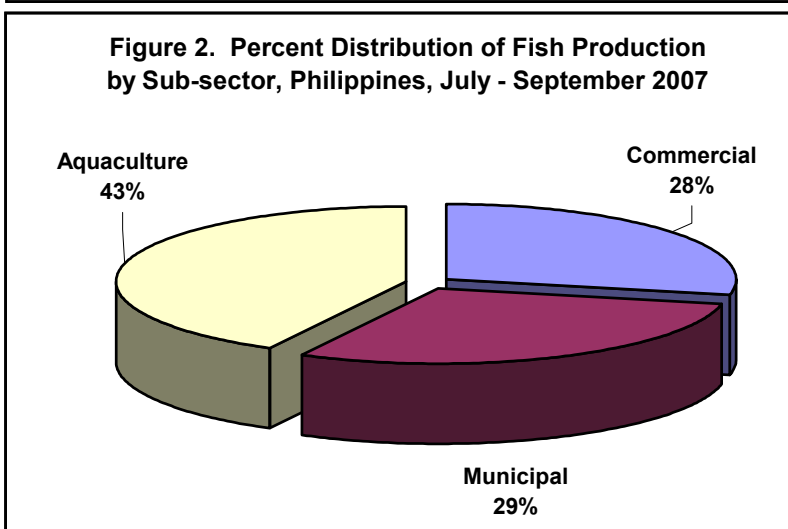
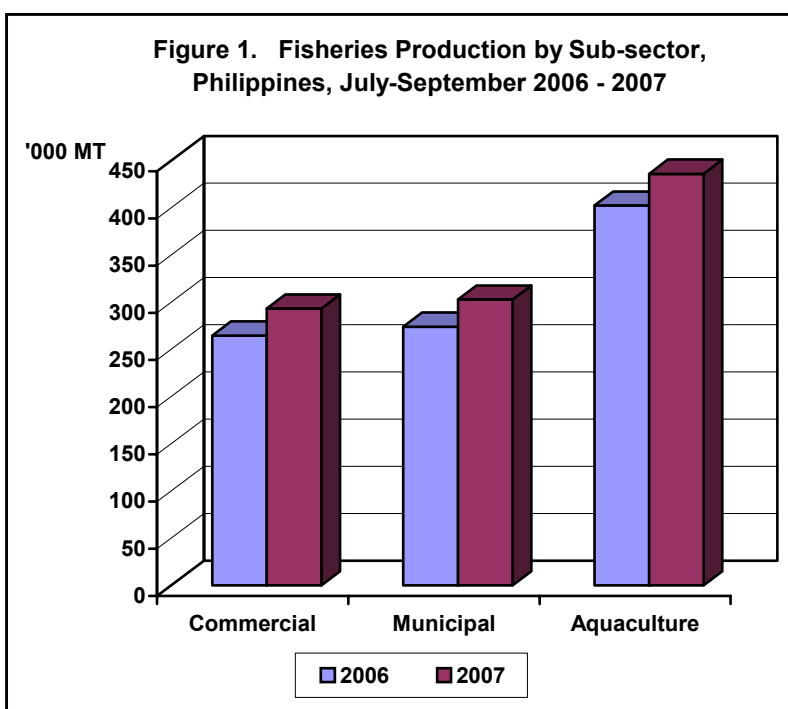
Republic of the Philippines
Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS

ABSTRACT

The total volume of fisheries production increased by 9.67 percent during the third quarter of 2007 over the same quarter in 2006. All the sectors managed to outdo their third quarter production performance. The commercial fisheries which served as the major source of growth exhibited a 10.35 percent increase. The municipal fisheries was the second gainer with output surging by 10.46 percent. The expansion in aquaculture fisheries was also observed with an increased production of 8.35 percent.

The volume of unloadings in commercial fisheries was estimated at 293,262.89 metric tons. It surpassed last year's production performance by 28,713.49 metric tons. The generally favorable weather conditions enabled most fishermen to increase the frequency of their fishing operations. Bigger volume of unloadings of roundscads are noted at the traditional landing centers in Zamboanga City. Commercial fisheries accounted for 293,262.89 metric tons of the total fisheries production.

Municipal fishermen unloaded 302,863.54 metric tons of fish catch this quarter. They produced 28,685.64 metric tons more output this quarter compared to same quarter last year. This was highly attributed to free distribution of fishing gears by the Bureau of Fisheries and Aquatic Resources (BFAR) to



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fisherfolk which encouraged fishermen to increase their number of fishing days. Municipal fisheries shared 302,863.54 metric tons on the total production of the fisheries sector.

Aquaculture production at 436,094.26 metric tons was 8.35 percent higher than last year's level. The uptrend in production was largely due to the production of seaweed which accounted for more than half or 273,628.67 metric tons to the total aquaculture production. Aquaculture contributed 436,094.26 metric tons to the total fisheries production.

TABLE 1. FISHERIES: VOLUME OF FISH UNLOADING BY SUB-SECTOR, BY REGION, PHILIPPINES, JULY-SEPTEMBER 2006 - 2007^P
(METRIC TONS)

Region / Sub-Sector	Fisheries			%	Commercial			%
	2003	2006	2007	Change 07/06	2003	2006	2007	Change 07/06
PHILIPPINES	810,925.80	941,199.26	1,032,220.69	9.67	285,332.00	264,549.40	293,262.89	10.85
CAR	560.80	643.90	696.38	8.15				
I	15,955.95	24,997.28	26,920.09	7.69	886.00	1,625.71	1,678.60	3.25
II	9,683.41	12,931.72	14,034.11	8.52	3,655.00	4,732.58	4,372.85	(7.60)
III	29,306.90	37,536.03	38,229.27	1.85	2,110.00	2,810.72	2,549.35	(9.30)
NCR	35,512.70	18,612.93	20,247.25	8.78	34,334.00	16,296.93	17,730.46	8.80
IV-A	77,592.00	89,775.98	111,006.99	23.65	21,129.00	19,491.66	19,592.92	0.52
IV-B	64,716.22	99,472.09	105,805.15	6.37	12,253.00	14,140.42	14,761.80	4.39
V	40,598.70	52,953.49	57,993.97	9.52	9,243.00	10,489.00	11,400.98	8.69
VI	102,479.26	94,899.57	101,305.77	6.75	34,639.00	26,833.52	27,252.33	1.56
VII	45,770.80	44,723.98	45,765.23	2.33	15,143.00	9,799.82	10,752.34	9.72
VIII	28,866.08	43,676.04	46,723.46	6.98	11,496.00	15,805.58	16,803.59	6.31
IX	108,494.60	147,325.34	165,577.34	12.39	56,685.00	66,620.07	83,862.79	25.88
X	27,014.55	36,861.71	41,837.51	13.50	10,615.00	11,423.53	13,239.65	15.90
XI	13,881.86	14,329.83	16,726.12	16.72	3,646.00	3,701.78	3,839.43	3.72
XII	59,944.11	55,411.61	63,170.00	14.00	46,224.00	41,256.93	47,019.10	13.97
Caraga	23,682.60	24,219.45	28,924.33	19.43	1,111.00	1,239.68	1,598.28	28.93
ARMM	126,865.26	142,828.31	147,257.72	3.10	22,163.00	18,281.47	16,808.42	(8.06)

Region / Sub-Sector	Municipal			%	Aquaculture			%
	2003	2006	2007	Change 07/06	2003	2006	2007	Change 07/06
PHILIPPINES	244,348.00	274,177.90	302,863.54	10.46	281,245.80	402,471.96	436,094.26	8.35
CAR	202.00	199.78	202.39	1.31	358.80	444.12	493.99	11.23
I	6,035.00	7,644.51	8,359.51	9.35	9,034.95	15,727.06	16,881.98	7.34
II	4,732.00	5,430.21	6,525.71	20.17	1,296.41	2,768.93	3,135.55	13.24
III	3,945.00	9,219.17	10,036.25	8.86	23,251.90	25,506.14	25,643.67	0.54
NCR	477.00	1,557.26	1,608.51	3.29	701.70	758.74	908.28	19.71
IV-A	33,030.00	26,582.87	36,057.70	35.64	23,433.00	43,701.45	55,356.37	26.67
IV-B	31,719.00	52,626.78	55,101.99	4.70	20,744.22	32,704.89	35,941.36	9.90
V	24,570.00	26,141.93	29,735.83	13.75	6,785.70	16,322.56	16,857.16	3.28
VI	28,611.00	29,419.52	30,347.41	3.15	39,229.26	38,646.53	43,706.03	13.09
VII	12,672.00	14,251.69	11,956.60	(16.10)	17,955.80	20,672.47	23,056.29	11.53
VIII	11,159.00	18,068.23	19,505.25	7.95	6,211.08	9,802.23	10,414.62	6.25
IX	30,919.00	22,227.42	24,586.59	10.61	20,890.60	58,477.85	57,127.96	(2.31)
X	7,253.00	10,202.08	10,747.47	5.35	9,146.55	15,236.10	17,850.39	17.16
XI	7,098.00	7,074.82	7,341.87	3.77	3,137.86	3,553.23	5,544.82	56.05
XII	8,972.00	9,493.00	10,737.67	13.11	4,748.11	4,661.68	5,413.23	16.12
Caraga	13,265.00	14,484.89	18,027.75	24.46	9,306.60	8,494.88	9,298.30	9.46
ARMM	19,689.00	19,553.74	21,985.04	12.43	85,013.26	104,993.10	108,464.26	3.31

P - Preliminary

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COMMERCIAL FISHERIES

Commercial fisheries exhibited a remarkable increase in volume of fish unloaded during the 3rd quarter of 2007 compared to the same quarter last year. Unloadings reached 293,262.89 metric tons. This was 28,713.49 metric tons or 10.85 percent above last year's level. The generally favorable weather conditions enabled fishermen to increase the frequency of their fishing operations. The gain in volume of unloadings was likewise a result of the establishment of deep sea payaos and abundant catch of species like roundscad, indian sardines, frigate tuna, scads and mackerels.

In 13 regions, increased production was noted. Region IX recorded a production increment of 25.88 percent. It was followed by Region XII and Region VI with production gains of 13.97 and 1.56 percent, respectively.

Unloadings at traditional landing centers recorded a 32.10 percent increase. This was largely attributed to large volume of unloadings of roundscad at traditional landing centers in Zamboanga City. Roundscad recorded a total catch of 43,930.91 metric tons in 2007 from 3,985.00 in 2006. Commercial fish catch unloaded in Philippine Fisheries Development Authority (PFDA) ports showed a 13.51 percent increment while unloadings in Local Government Unit (LGU)-managed landing went up by 24.90 percent. On the other hand, unloadings in private landing centers dropped by 40.65 (Table 2).

**TABLE 2. COMMERCIAL FISHERIES: VOLUME OF FISH UNLOADING BY REGION,
BY TYPE OF LANDING CENTER, PHILIPPINES, JULY-SEPTEMBER 2006 - 2007^P**
(METRIC TONS)

REGION	COMMERCIAL		% Change 07/06	PRIVATE		% Change 07/06	PFDA		% Change 07/06
	2006	2007		2006	2007		2006	2007	
PHILIPPINES	264,549.40	293,262.89	10.85	63,811.22	37,868.78	(40.65)	47,757.21	54,208.11	13.51
CAR									
I	1,625.71	1,678.60	3.25				88.56	35.22	(60.23)
II	4,732.58	4,372.85	(7.60)						
III	2,810.72	2,549.35	(9.30)	1,617.37	1,314.58	(18.72)			
NCR	16,296.93	17,730.46	8.80				15,337.52	16,754.46	9.24
IV-A	19,491.66	19,592.92	0.52				2,155.75	3,123.40	44.89
IV-B	14,140.42	14,761.80	4.39						
V	10,489.00	11,400.98	8.69	2,478.00	2,570.00	3.71			
VI	26,833.52	27,252.33	1.56	1,244.79	1,926.46	54.76	570.32	302.49	(46.96)
VII	9,799.82	10,752.34	9.72						
VIII	15,805.58	16,803.59	6.31	132.81	145.75	9.74			
IX	66,620.07	83,862.79	25.88	42,044.20	15,210.57	(63.82)	4,055.12	3,052.76	(24.72)
X	11,423.53	13,239.65	15.90						
XI	3,701.78	3,839.43	3.72	102.59	81.51	(20.55)	1,861.50	1,844.39	(0.92)
XII	41,256.93	47,019.10	13.97	16,191.46	16,619.91	2.65	23,688.44	29,095.39	22.83
Caraga	1,239.68	1,598.28	28.93						
ARMM	18,281.47	16,808.42	(8.06)						

LGU		% Change 07/06	TRADITIONAL		% Change 07/06
2006	2007		2006	2007	
12,465.01	15,568.32	24.90	140,515.96	185,617.68	32.10
242.00	227.99	(5.79)	1,295.15	1,415.39	9.28
17.15	35.50	107.00	4,732.58	4,372.85	(7.60)
			1,176.20	1,199.27	1.96
			959.41	976.00	1.73
947.30	1,572.13	65.96	16,388.61	14,897.39	(9.10)
			14,140.42	14,761.80	4.39
3,232.00	3,341.48	3.39	4,779.00	5,489.50	14.87
5,771.85	7,054.92	22.23	19,246.56	17,968.46	(6.64)
			9,799.82	10,752.34	9.72
133.90		(100.00)	15,538.87	16,657.84	7.20
1,271.27	2,514.68	97.81	19,249.48	63,084.78	227.72
849.54	821.62	(3.29)	10,573.99	12,418.03	17.44
			1,737.69	1,913.53	10.12
			1,377.03	1,303.80	(5.32)
			1,239.68	1,598.28	28.93
			18,281.47	16,808.42	(8.06)

P - Preliminary

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MUNICIPAL FISHERIES

For the third quarter of the year, municipal fisheries registered a production increase of 10.46 percent. In particular, marine fisheries grew by 8.77 percent and inland fisheries, by 21.10 percent.

CALABARZON (53.43%), Caraga (24.05%), Cagayan Valley (14.46%), Bicol Region (12.95%), ARMM (12.07%) and Zamboanga Peninsula (10.65%) were the top producing regions for marine fishing. Weather conditions conducive to fishing was the main factor for increased unloadings of variety of species like acetes, mullet, anchovies, skipjack, slipmouth, scads, tunas.

It was reported that some fishermen in Palawan concentrated on catching octopus, cuttlefish, sharks and rays due to big demand from traders who even offered financial assistance to the fishermen. The free distribution of fishing gears by the Bureau of Fisheries and Aquatic Resources (BFAR) to fisherfolk in Batangas, Masbate and Camarines Sur encouraged fishermen to increase number of fishing days. Intrusion of commercial fishing boats in municipal waters was controlled by local government units in Cavite, Camarines Norte, Samar and Leyte provinces. Closer supervision and monitoring of fish sanctuaries or marine protected areas in Tawi-Tawi and Surigao del Sur also helped in the expansion of fish catch of municipal fishermen. The establishment of fish shelters or fish aggregating devices in Ilocos, Leyte and Samar provinces boosted fish catch of fishermen. It was also observed that many private individuals have installed medium-sized payaos or fish shelters to sustain catch of municipal fishermen. Gathering of capiz shells augmented production of Bataan this quarter.

Central Visayas was the only region that recorded a decrease in production; a drop of 16.15 percent was noted this quarter. The frequent occurrence of southwest monsoon in Bohol, Cebu and Negros Oriental lessened fishing activities in the region.

Meanwhile, the increase in catch from inland fisheries came from Bicol Region with 40.64 percent, Caraga, 31.34 percent, Cagayan Valley with 30.63 percent, CALABARZON with 26.81 percent and SOCCSKSARGEN with 26.56 percent. As in previous quarters, the major contributing factor for this was the continuous seeding of tilapia, bangus and even carp fingerlings by the BFAR to inland bodies of water where they could grow and eventually be caught by sustenance fishermen. The low water level of rivers, creeks, swamps and dams in Quirino and Surigao del Sur made it easier for gatherers to catch different species like hito, carp and even shrimps. It was noted that "suso" gatherers in Rizal had

increased their activity due to the demand of pond operators for duck feeds. Abundant freshwater species were caught in Lake Buluan in Sultan Kudarat, Isabela, Agusan del Sur, Surigao del Sur commented that the low water level condition of communal bodies of water enabled fishermen to fish more and even spent longer time in fishing. In Sorsogon, ashes that flowed to the rivers as a result of volcanic eruption caused different species to surface and be caught. Bigger volume of catch from Naujan Lake was reported by Mindoro Oriental due to strict monitoring against illegal fishing to protect the lake. Increase in catch of tawilis was also observed in Taal Lake, Batangas (Table 3).

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**TABLE 3. MUNICIPAL FISHERIES: VOLUME OF FISH UNLOADING BY REGION, PHILIPPINES,
JULY - SEPTEMBER 2006 - 2007^P**
(METRIC TONS)

Region	Municipal		%	Marine		%	Inland		%
	2006	2007	Change 07/06	2006	2007	Change 07/06	2006	2007	Change 07/06
PHILIPPINES	274,177.90	302,863.54	10.46	236,635.26	257,399.29	8.77	37,542.64	45,464.25	21.10
CAR	199.78	202.39	1.31				199.78	202.39	1.31
I	7,644.51	8,359.51	9.35	6,948.51	7,865.18	13.19	696.00	494.33	(28.98)
II	5,430.21	6,525.71	20.17	3,510.90	4,018.52	14.46	1,919.31	2,507.19	30.63
III	9,219.17	10,036.25	8.86	5,976.63	6,392.23	6.95	3,242.54	3,644.02	12.38
NCR	1,557.26	1,608.51	3.29	1,557.26	1,608.51	3.29			
IV-A	26,582.87	36,057.70	35.64	8,818.12	13,530.00	53.43	17,764.75	22,527.70	26.81
IV-B	52,626.78	55,101.99	4.70	52,428.28	54,888.34	4.69	198.50	213.65	7.63
V	26,141.93	29,735.83	13.75	25,392.00	28,681.12	12.95	749.93	1,054.71	40.64
VI	29,419.52	30,347.41	3.15	28,024.07	28,881.48	3.06	1,395.45	1,465.93	5.05
VII	14,251.69	11,956.60	(16.10)	14,202.54	11,908.85	(16.15)	49.15	47.75	(2.85)
VIII	18,068.23	19,505.25	7.95	17,210.63	18,773.57	9.08	857.60	731.68	(14.68)
IX	22,227.42	24,586.59	10.61	22,063.64	24,412.71	10.65	163.78	173.88	6.17
X	10,202.08	10,747.47	5.35	9,629.84	10,090.99	4.79	572.24	656.48	14.72
XI	7,074.82	7,341.87	3.77	7,040.39	7,302.61	3.72	34.43	39.26	14.03
XII	9,493.00	10,737.67	13.11	5,311.25	5,445.29	2.52	4,181.75	5,292.38	26.56
Caraga	19,553.74	21,985.04	12.43	14,854.30	16,646.51	12.07	4,699.44	5,338.53	13.60
ARMM	14,484.89	18,027.75	24.46	13,666.90	16,953.38	24.05	817.99	1,074.37	31.34

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AQUACULTURE

Aquaculture production increased by 8.35 percent during the 3rd quarter of 2007 compared to the same period last year. Freshwater pens and cages posted the biggest increases at 45.40 percent and 30.35 percent, respectively. In Region IV-A, operators reported early harvests of fishes from cages in anticipation of oxygen deficiency (fish kill). There was abundance of natural food and area harvested included those that were not harvested during the last quarter because of microcystis (lasang gilik). Seaweed, which constituted more than 62 percent of the aquaculture production had a 4.47 percent output increase due to proper maintenance of farms (Table 4).

Culture Environment/Type of Aquafarm	% Increase (Decrease)
Brackishwater Fishpond	6.23
Brackishwater Fish cage	(29.29)
Brackishwater Fish pen	(0.98)
Freshwater Fishpond	15.57
Freshwater Fish cage	30.35
Freshwater Fish pen	45.40
Marine Fish cage	25.26
Marine Fish pen	20.26
Oyster	33.56
Mussel	(0.89)
Seaweeds	4.47

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**TABLE 4. AQUACULTURE PRODUCTION BY TYPE/ENVIRONMENT AND BY REGION,
JULY-SEPTEMBER, 2006-2007^P**
(METRIC TONS)

Region	AQUACULTURE		% Change 07/06	BRACKISHWATER FISHPOND		% Change 07/06	BRACKISHWATER PEN		% Change 07/06
	2006	2007		2006	2007		2006	2007	
PHILIPPINES	402,471.96	436,094.26	8.35	71,089.00	75,516.29	6.23	616.30	610.29	(0.98)
CAR	444.12	493.99	11.23	-	-	-	-	-	-
I	15,727.06	16,881.98	7.34	3,863.60	4,453.27	15.26	612.00	598.06	(2.28)
II	2,768.93	3,135.55	13.24	644.40	669.71	3.93	-	-	-
III	25,506.14	25,643.67	0.54	16,096.80	14,886.62	(7.52)	0.10	-	-
NCR	758.74	908.28	19.71	51.90	65.06	25.36	-	-	-
IVA	43,701.45	55,356.37	26.67	2,527.60	2,616.41	3.51	-	-	-
* IVB	32,704.89	35,941.36	9.90	1,137.70	1,271.94	11.80	-	-	-
V	16,322.56	16,857.16	3.28	807.10	1,026.74	27.21	-	-	-
VI	38,646.53	43,706.03	13.09	25,616.70	28,245.21	10.26	1.20	5.20	333.33
VII	20,672.47	23,056.29	11.53	1,741.80	1,871.68	7.46	-	-	-
VIII	9,802.23	10,414.62	6.25	1,413.40	1,226.79	(13.20)	-	-	-
IX	58,477.85	57,127.96	(2.31)	4,393.70	4,536.82	3.26	-	-	-
X	15,236.10	17,850.39	17.16	7,739.80	8,639.31	11.62	-	-	-
XI	3,553.23	5,544.82	56.05	1,264.60	1,225.93	(3.06)	-	0.94	-
XII	4,661.68	5,413.23	16.12	2,162.30	2,748.44	27.11	-	-	-
ARMM	104,993.10	108,464.26	3.31	204.70	217.37	6.19	-	-	-
CARAGA	8,494.88	9,298.30	9.46	1,422.90	1,814.97	27.55	3.00	6.09	103.02

Region	BRACKISHWATER CAGE		% Change 07/06	MARINE PEN		% Change 07/06	MARINE CAGE		% Change 07/06
	2006	2007		2006	2007		2006	2007	
PHILIPPINES	1,757.03	1,242.43	(29.29)	3,013.25	3,623.70	20.26	10,859.54	13,602.95	25.26
CAR	-	-	-	-	-	-	-	-	-
I	525.13	298.09	(43.24)	2,064.08	2,118.46	2.63	8,160.28	8,934.90	9.49
II	36.90	47.55	28.86	-	-	-	-	-	-
III	0.10	-	-	-	-	-	285.65	419.23	46.76
NCR	-	-	-	-	-	-	-	-	-
IVA	-	-	-	40.00	95.56	138.89	2.04	1.32	(35.41)
* IVB	0.10	-	-	-	12.00	-	-	-	-
V	-	-	-	-	-	-	25.86	7.00	(72.93)
VI	2.70	2.90	7.38	401.75	432.00	7.53	5.28	6.44	22.08
VII	-	0.08	-	4.23	18.24	331.25	327.96	310.85	(5.22)
VIII	-	-	-	14.00	14.70	5.00	1,062.44	1,274.61	19.97
IX	-	-	-	6.01	-	-	1.86	17.71	854.19
X	-	-	-	-	0.60	-	0.83	4.15	402.42
XI	9.30	10.80	16.13	475.07	787.52	65.77	705.12	2,227.52	215.90
XII	-	-	-	-	-	-	255.65	336.79	31.74
ARMM	-	-	-	0.69	0.61	(11.26)	-	-	-
CARAGA	1,182.80	883.02	(25.35)	7.42	144.00	1,841.53	26.58	62.44	134.95

TABLE 4. AQUACULTURE (Continued)

Region	FRESHWATER FISHPOND		% Change 07/06	FRESHWATER PEN		% Change 07/06	FRESHWATER CAGE		% Change 07/06
	2006	2007		2006	2007		2006	2007	
PHILIPPINES	12,809.82	14,804.90	15.57	8,446.97	12,281.76	45.40	26,756.31	34,876.77	30.35
CAR	228.39	289.52	26.76	-	-	-	215.73	204.47	(5.22)
I	269.66	253.58	(5.96)	0.29	0.25	(13.34)	1.72	1.16	(32.69)
II	1,518.35	2,037.80	34.21	-	-	-	213.86	219.47	2.62
III	8,815.50	9,887.44	12.16	-	-	-	-	-	-
NCR	-	-	-	519.70	627.38	20.72	187.14	215.83	15.33
IVA	328.32	401.59	22.32	5,349.41	8,859.03	65.61	23,911.20	31,679.53	32.49
* IVB	142.23	164.80	15.88	-	-	-	-	-	-
V	425.45	521.07	22.48	-	-	-	1,734.90	1,973.62	13.76
VI	67.27	97.35	44.70	-	-	-	-	-	-
VII	20.76	22.32	7.51	-	-	-	1.38	1.95	41.23
VIII	33.55	37.18	10.81	0.51	-	-	1.48	-	-
IX	31.00	33.55	8.24	-	-	-	-	-	-
X	211.27	251.08	18.85	-	-	-	-	-	-
XI	295.16	383.13	29.80	1.25	5.03	302.40	0.84	0.66	(20.95)
XII	314.70	294.91	(6.29)	1,512.31	1,529.83	1.16	407.15	473.76	16.36
ARMM	70.18	82.93	18.18	1,063.50	1,259.03	18.39	74.00	85.88	16.06
CARAGA	38.04	46.64	22.60	-	1.20	-	6.91	20.43	195.71

Region	OYSTER		% Change 07/06	MUSSEL		% Change 07/06	SEAWEED		% Change 07/06
	2006	2007		2006	2007		2006	2007	
PHILIPPINES	2,161.27	2,886.70	33.56	3,046.79	3,019.80	(0.89)	261,915.68	273,628.67	4.47
CAR	-	-	-	-	-	-	-	-	-
I	162.30	149.09	(8.14)	50.00	53.13	6.26	18.00	22.01	22.25
II	105.05	120.36	14.57	-	-	-	250.37	40.66	(83.76)
III	32.49	45.23	39.22	250.50	337.15	34.59	25.00	68.00	172.00
NCR	-	-	-	-	-	-	-	-	-
IVA	144.08	7.85	(94.55)	261.80	114.69	(56.19)	11,137.00	11,580.40	3.98
* IVB	-	-	-	-	-	-	31,424.86	34,492.61	9.76
V	3.60	3.31	(8.01)	432.86	194.79	(55.00)	12,892.79	13,130.63	1.84
VI	1,508.06	2,340.10	55.17	699.33	750.10	7.26	10,344.24	11,826.72	14.33
VII	81.87	84.05	2.66	-	-	-	18,494.47	20,747.12	12.18
VIII	-	8.39	-	1,352.00	1,569.54	16.09	5,924.85	6,283.40	6.05
IX	66.61	69.92	4.98	0.30	0.24	(21.03)	53,978.37	52,469.71	(2.79)
X	-	-	-	-	0.17	-	7,284.21	8,955.08	22.94
XI	57.21	58.29	1.88	-	-	-	744.68	845.00	13.47
XII	-	-	-	-	-	-	9.57	29.50	208.25
ARMM	-	-	-	-	-	-	103,580.03	106,818.43	3.13
CARAGA	-	0.11	-	-	-	-	5,807.24	6,319.40	8.82

P - Preliminary

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MILKFISH

Milkfish production (Table 5) surpassed last year's performance by 3.42 percent from 89,027.35 metric tons to 92,075.59 metric tons in 2007. The growth was realized from all types of aqua farms except from brackishwater fishponds and fish cages.

About 65 percent of the milkfish produced the third quarter came from brackishwater fishponds. In spite of this contribution, a 4.09 percent cutback was noticed in this sector from this type of aquafarms. Bulacan showed 28.24 percent decrease in production while other provinces experienced a 14.96 percent reduction. Overflowed fishponds, washed-out dikes were reported in Bulacan and these were due to numerous typhoons that were experienced by the province. Operators from other provinces noted the stunted growth of stocks while some operators shifted from marketable size to fingerling production of milkfish. On the other hand, Negros Occidental, Capiz and Pangasinan registered increases of 13.48, 15.27 and 17.31 percent, respectively. These gains were the result of better market price, abundant supply of fingerling and increased demand for boneless milkfish.

Production of milkfish from brackishwater pens increased by 104.08 percent this quarter. Larger area harvested and bigger sizes of milkfish harvested in Agusan del Norte were reported. On the other hand, production from brackishwater cages were 65.50 percent lower than the last year's report.

Milkfish production from freshwater fish pens and cages increased by 26.38 percent and 29.62 percent, respectively. The large increase in milkfish produced was observed in Rizal, Metro Manila and Batangas. Operators in Rizal increased their harvested area due to the delayed harvest last quarter while in Metro Manila, early entry of saline water in pens and cages contributed to the good quality of milkfish produced. In Batangas production went up by 29.66 percent because of availability of quality stocks, and availability of natural food.

Harvest of milkfish from marine pens and cages grew. Operators from the major producing provinces had just recovered from the effects of series of typhoons last year, aside from the quality of fingerlings used. With the availability of quality stocks and favorable weather condition during the quarter, operators were encouraged to increase their area. Early harvest was also observed to avail of better price.

On the other hand, Capiz and Negros Oriental experience output decreases of 10 percent and 17.29 percent, respectively. This was associated to the demolition of illegally constructed pens in Capiz. Lesser stocking due to insufficient supply of fingerlings in Negros Oriental was also noted.

**TABLE 5. AQUACULTURE: MILKFISH PRODUCTION OF TOP PRODUCING PROVINCES,
BY CULTURE ENVIRONMENT/TYPE OF AQUAFARM, PHILIPPINES, JULY-SEPTEMBER 2006-2007P**
(METRIC TONS)

Culture Environment/ Type of Aquafarm/Province	2006	2007	% Change 07/06
PHILIPPINES	89,027.35	92,075.59	3.42
Brackishwater Fishpond	62,640.50	60,081.48	(4.09)
Iloilo	9,306.50	9,924.45	6.64
Capiz	7,032.30	8,106.13	15.27
Negros Occidental	4,742.00	5,381.22	13.48
Bulacan	7,337.40	5,265.32	(28.24)
Aklan	3,647.80	3,734.98	2.39
Pangasinan	3,052.10	3,580.42	17.31
Pampanga	3,167.00	3,378.24	6.67
Other Provinces	24,355.40	20,710.72	(14.96)
Brackishwater Fish pen	583.20	1,190.19	104.08
Agusan del Norte		880.00	
Pangasinan	516.00	283.13	(45.13)
Other Provinces	67.20	27.06	(59.73)
Brackishwater Fish cage	1,722.50	594.30	(65.50)
Pangasinan	522.00	505.37	(3.19)
Other Provinces	1,200.50	88.93	(92.59)
Freshwater Fish pen	3,896.08	4,923.70	26.38
Rizal	2,464.00	3,360.00	36.36
Sultan Kudarat	726.20	735.86	1.33
Metro Manila	519.70	627.38	20.72
Maguindanao	160.00	166.59	4.12
Other Provinces	26.18	33.86	29.35
Freshwater Fish cage	6,503.00	8,428.91	29.62
Batangas	6,489.00	8,413.64	29.66
Other Provinces	14.00	15.27	9.09
Marine Fish pen	2,983.82	3,449.81	15.62
Pangasinan	2,063.00	2,117.26	2.63
Davao del Sur	475.07	787.52	65.77
Capiz	352.01	316.80	(10.00)
Iloilo	47.74	113.22	137.14
Cavite	40.00	95.31	138.26
Other Provinces	6.00	19.70	228.39
Marine Fish cage	10,698.25	13,407.20	25.32
Pangasinan	8,114.00	8,887.26	9.53
Davao del Sur	643.77	2,159.19	235.40
Samar	915.00	1,092.05	19.35
Zambales	281.95	416.92	47.87
Negros Oriental	326.17	269.78	(17.29)
South Cotabato	84.00	139.00	65.48
Sarangani	78.25	100.00	27.80
Leyte	85.94	94.83	10.34
Other Provinces	169.17	248.15	46.69

P - Preliminary

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TILAPIA

Total aquaculture production for tilapia (Table 6) grew by 23.97 percent this quarter compared to the same quarter last year. By aquafarm type, tilapia from freshwater fish pens registered the highest growth of 48.89 percent. Brackishwater fishpond production decreased by 4.71 percent.

The production increment in freshwater fish pen was brought about by abundance of natural food. Most of the harvests were the unharvested stocks of last quarter due to the effect of microcystis (lasang gilik) in Rizal. The newly opened areas in Maguindanao and the favorable weather conditions in Sultan Kudarat contributed to the robust growth of tilapia harvest from freshwater fish pens.

A 27.96 percent increase in output from freshwater fish cages was realized due to the early harvest in Batangas. Operators in the province were scared of oxygen deficiency that would result to fish kill. Laguna, Rizal and Camarines Sur exhibited an upward trend due to favorable weather conditions. The availability of quality fingerlings, presence of natural food in Laguna Lake that hastened the growth of stocks and the continuous support from BFAR encouraged operators to stock more. More investors and financiers in Laguna were encouraged to invest due to the profitability of tilapia production. On the contrary, Quezon indicated a 10.77 percent decrease in output due to the prolonged heat that resulted in low survival rate.

The increase of 15.44 percent from freshwater fishpond was attributed to the usage of probiotics that hastened the growth of fries in Nueva Ecija. Operators from Bulacan improved their management practices and harvested red tilapia. It was reported that the unharvested stocks of the second quarter were harvested this quarter in Isabela. Furthermore, newly opened and rehabilitated areas were utilized with the availability of quality fingerlings and favorable weather condition.

The decrease of 4.71 percent in brackishwater fishpond production was contributed by Bulacan and Zamboanga Sibugay. In Bulacan, there was low water level due to El Niño which affected the growth of tilapia while, in Zamboanga Sibugay, tilapia harvested were natural entry.

**TABLE 6. AQUACULTURE: TILAPIA PRODUCTION OF TOP PRODUCING PROVINCES,
BY CULTURE ENVIRONMENT/TYPE OF AQUAFARM, PHILIPPINES, JULY-SEPTEMBER, 2006-2007P**
(METRIC TONS)

Culture Environment/ Type of Aquafarm/Province	2006	2007	% Change 06/07
PHILIPPINES	37,938.49	47,030.69	23.97
Brackishwater Fishpond*	2,350.00	2,239.40	(4.71)
Cagayan	518.90	535.82	3.26
Pampanga	360.90	392.80	8.84
Bulacan	229.80	208.91	(9.09)
Negros Occidental	118.00	122.67	3.96
Zamboanga Sibugay	237.50	127.00	(46.53)
Other Provinces	884.90	852.20	(3.70)
Freshwater Fishpond**	12,151.84	14,028.65	15.44
Pampanga	5,177.00	6,101.10	17.85
Bulacan	1,386.00	1,447.50	4.44
Nueva Ecija	1,162.00	1,190.59	2.46
Isabela	752.50	1,138.16	51.25
Cagayan	454.80	463.00	1.80
Other Provinces	3,219.54	3,688.30	14.56
Freshwater Fish cage	19,746.41	25,268.08	27.96
Batangas	14,142.00	17,855.69	26.26
Laguna	1,779.70	2,175.33	22.23
Rizal	140.00	1,300.00	828.57
Camarines Sur	1,691.70	1,894.70	12.00
Quezon	890.00	794.15	(10.77)
Other Provinces	1,103.01	1,248.21	13.16
Freshwater Fish pen	3,690.24	5,494.56	48.89
Rizal	1,844.00	3,430.00	86.01
Maguindanao	900.00	1,087.92	20.88
Sultan Kudarat	786.11	793.97	1.00
Other Provinces	160.13	182.67	14.08

P - Preliminary

* Includes tilapia production from brackishwater fish pen and cage.

** Includes SFR and rice fish

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TIGER PRAWN

Production of tiger prawn increased by 0.64 percent this quarter against the same quarter of 2006. Of the top producing provinces, Pampanga recorded the highest production gain of 5.99 percent due to early harvests to avail of the good price in the market. Lanao del Norte and Misamis Occidental both registered an increase of 4.73 percent due to good quality of post larvae and high market demand. Zamboanga del Sur had a minimal increment of 0.50 percent.

On the other hand, production in Agusan del Norte declined by 8.0 percent since some ponds were under repair while some had limited stocking.

MUD CRAB

Mud crab production this quarter of 2007 was higher by 27.52 percent from last year's level. This was attributed to the quality crablets used and bigger sizes of mud crab harvested.

The total production of the top producing provinces contributed 83.71 percent to total output of mud crab. Pampanga with 47.12 percent share posted an increase of 11.24 percent. Lanao del Norte with 19.22 percent share registered a remarkable 136.92 percent increase. Misamis Occidental, Camarines Sur and Sorsogon had respective production shares of 12.15 percent, 2.71 percent and 2.51 percent.

CARP

Production increased by 112.96 percent from last year's level. High growth was reportedly in Rizal, the top producing province of carp. Of its total production this quarter, 67 percent and 33 percent came from fish pens and fish cages, respectively. There was an abundance of natural food in the lake resulting in faster growth of carps in Rizal and Metro Manila.

In Laguna, BFAR's technical support encouraged fishpond and fish cage operators to increase their stocks. In Lanao del Norte, fishpond operators maintained proper usage of feeds. These accounted for the 13.63 percent modest increase in fishpond production of carps.

Other provinces, likewise, experienced growth this third quarter of 2007. This was attributed to newly developed ponds, more natural entry, good weather conditions and BFAR's program of dispersal of fingerling.

CATFISH

Catfish production increased by 13.30 percent this quarter over the same quarter of last year. The upsurge of production in, Laguna, Davao City, Camarines Sur and Iloilo was brought about by the availability of good quality fingerlings, intensive feeding practices resulting to bigger sizes. It was also reported that there were additional operators in Zarraga, Sta. Barbara and Bingawan in Iloilo and Davao City. The combined harvests of Bay, Cabuyao and Calamba in Laguna added to the increase. Moreover, more harvests were done during the Pantalan Festival in Davao City.

On the contrary, Bulacan experienced a decrease in production due to low stocking rate resulting from the reduced area of operation and shifting of some catfish operators to fishmeal trading and to other jobs.

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**TABLE 7. AQUACULTURE: TIGER PRAWN, MUD CRAB, CARP AND CATFISH PRODUCTION
OF TOP PRODUCING PROVINCES BY CULTURE ENVIRONMENT/TYPE OF AQUAFARM,
PHILIPPINES, JULY-SEPTEMBER, 2006-2007^P**
(METRIC TON)

Species/Culture Environment/ Type of Aquafarm/Province	2006	2007	% Change 06/07
TIGER PRAWN			
Brackishwater Fishpond*	9,793.40	9,855.69	0.64
Pampanga	2,463.00	2,610.53	5.99
Lanao del Norte	3,208.30	3,360.05	4.73
Zamboanga del Sur	642.00	645.21	0.50
Agusan del Norte	500.00	460.00	(8.00)
Misamis Occidental	474.60	497.05	4.73
Other Provinces	2,505.50	2,282.85	(8.89)
Marine Pen//Cage		0.15	
Other Provinces		0.15	
MUD CRAB	1,668.50	2,126.08	27.42
Brackishwater Fishpond	1,662.00	2,119.47	27.53
Pampanga	893.00	998.73	11.84
Misamis Occidental	255.00	257.58	1.01
Lanao del Norte	171.90	407.27	136.92
Sorsogon	52.00	53.26	2.42
Camarines Sur	46.20	57.29	24.00
Other Provinces	243.90	345.34	41.59
Marine Pen//Cage	6.50	6.61	1.69
Other Provinces	6.50	6.61	1.69
CARP	1,500.14	3,194.64	112.96
Freshwater Fishpond	133.84	152.08	13.63
Laguna	69.46	78.57	13.12
Lanao del Norte	40.48	48.10	18.83
Other Provinces	23.90	25.41	6.31
Freshwater Fish Pen/Cage	1,366.30	3,042.55	122.69
Rizal	1,115.20	2,785.00	149.73
Laguna	211.20	215.00	1.80
Metro Manila	34.20	36.74	7.43
Other Provinces	5.70	5.81	1.93
CATFISH	440.63	499.24	13.30
Freshwater Fishpond	440.63	499.24	13.30
Bulacan	180.00	159.80	(11.22)
Laguna	34.77	42.62	22.58
Davao City	44.17	54.41	23.18
Camarines Sur	35.00	44.80	28.00
Iloilo	17.24	24.17	40.20
Other Provinces	129.45	173.43	33.98

P - Preliminary

** Include data from brackishwater fishpen*

SEAWEED

Production went up by 4.47 percent this third quarter of 2007 compared to the same quarter last year. Bohol and Palawan posted the highest increases of 15.67 percent and 10.26 percent, respectively. Production in Sulu expanded by 1.39 percent. There were increases in area harvested due to continuous supply of quality seedling materials from BFAR's established nurseries coupled with improved culture practices. It was also reported that good weather conditions during the quarter enhanced the growth of seaweed.

OYSTER

The uptrend in oyster production continued with 33.56 percent gain from the same quarter of last year. This was attributed to the proper maintenance, bigger sizes, good quality produce. The increased demand from neighboring provinces contributed to the good production performance in Capiz, Cagayan and Bohol.

However, declines of 10.53 percent in La Union and 6.06 percent in Iloilo were due to replacement of worn out stakes while some farmers still waited for ideal size and good price.

MUSSEL

Production of mussel slid by 0.89 percent against last year's level. The significant output increases in major producing provinces did not offset the decrements in other provinces due to insufficient supply of spats that reduced the area harvested for mussel.

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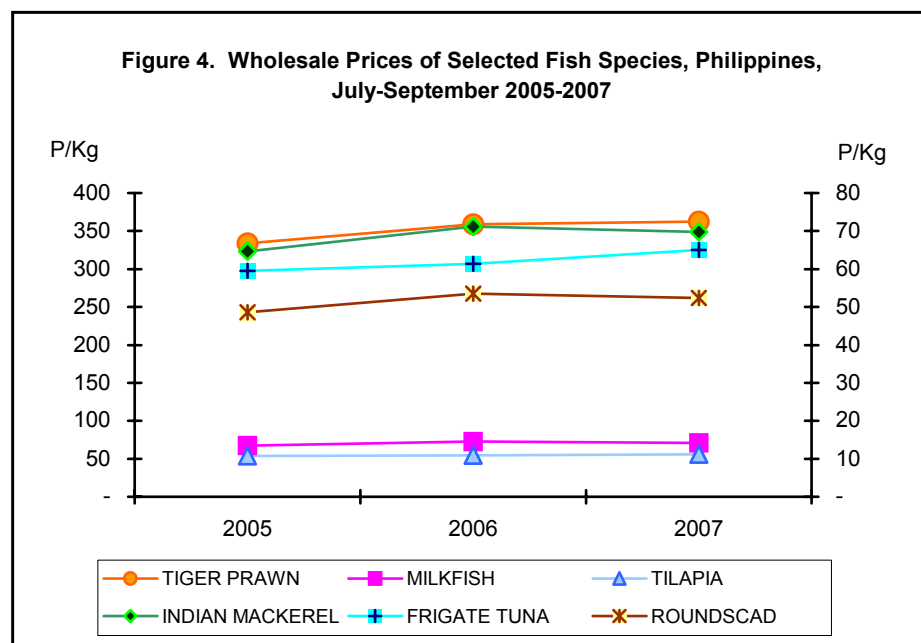
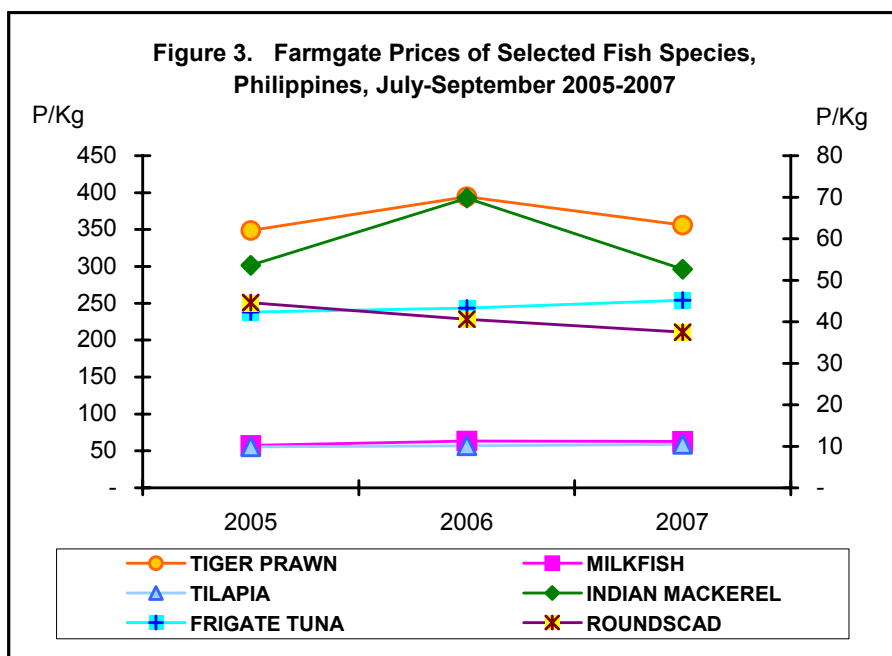
**TABLE 8. AQUACULTURE: MARICULTURE PRODUCTION BY SPECIES, BY PROVINCE,
PHILIPPINES, JULY SEPTEMBER, 2006 - 2007^P**
(METRIC TONS)

Species/Province	2006	2007	% Change 06/07
SEAWEED	261,915.68	273,628.66	4.47
Tawi-tawi	52,458.00	52,295.38	(0.31)
Sulu	39,883.08	40,437.45	1.39
Palawan	30,205.00	33,304.11	10.26
Zamboanga Sibugay	26,693.37	23,694.68	(11.23)
Bohol	17,239.00	19,940.37	15.67
Other Provinces	95,437.23	103,956.67	8.93
OYSTER	2,161.27	2,886.70	33.56
Capiz	1,260.00	2,099.65	66.64
Iloilo	209.50	196.80	(6.06)
La Union	144.30	129.11	(10.53)
Cagayan	105.05	120.36	14.57
Bohol	78.00	80.00	2.56
Other Provinces	364.42	260.78	(28.44)
MUSSEL	3,046.79	3,019.81	(0.89)
Samar	1,352.00	1,569.54	16.09
Capiz	388.49	454.07	16.88
Bataan	250.50	337.15	34.59
Negros Occidental	172.00	173.50	0.87
Aklan	138.84	122.54	(11.74)
Other Provinces	744.96	363.01	(51.27)

P - Preliminary

FISH PRICES

Farm prices of frigate tuna and tilapia went upward this quarter of 2007 by 4.25 and 3.42 percent, respectively. Frigate tuna's price averaged P45.17 per kilogram while tilapia's price, P59.03. Those of tiger prawn, indian mackerel and roundscad slid by 9.68, 24.53 and 7.68 percent, respectively. Milkfish price dropped by 0.58 percent.

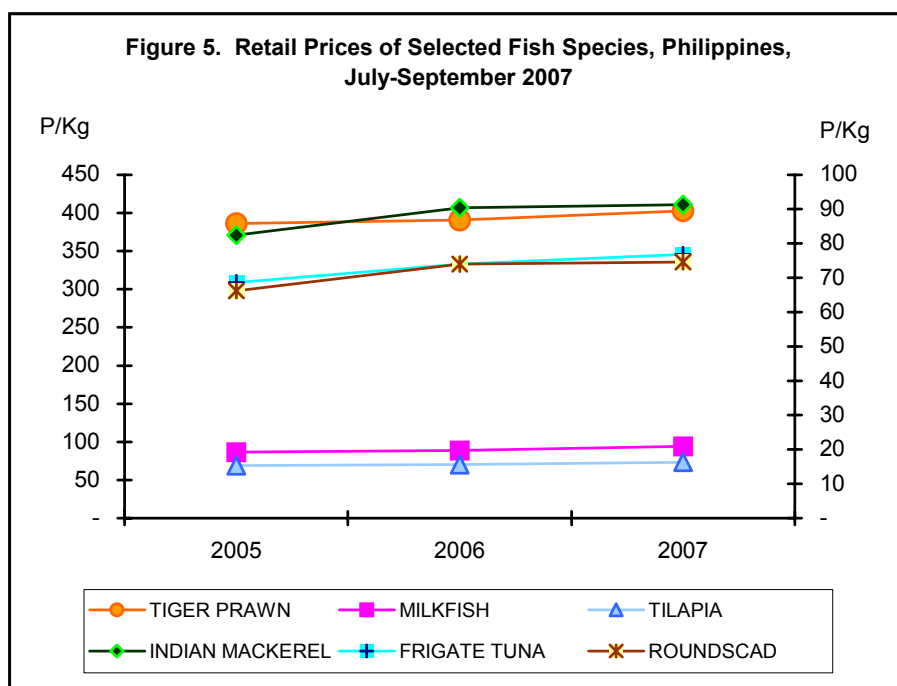


Wholesale prices per kilogram of frigate tuna at P65.01 and tilapia at P56.18 were 5.89 and 2.62 percent above last year's quotations, respectively. Tiger prawn's average wholesale price also picked up by 1.02 percent. On the other hand, indian mackerel, roundscad, and

milkfish posted negative price trends. Wholesale price decrements of 1.96, 1.99 and 2.67, respectively, were noted.

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Meanwhile, the retail prices of these selected fish species moved upward. Price increments were 5.94 percent for milkfish, 4.31 percent for tilapia and 3.12 percent for tiger prawn. On the average, roundscad, indian mackerel and frigate tuna price gains were 0.91, 1.02 and 3.75 percent, respectively.



This quarter, farm-retail price margins of aquaculture species were P31.09, P14.42 and P46.58 for milkfish, tilapia and tiger prawn, respectively. For marine species, price gaps ranged from P31.62, P38.65 per kilogram.

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