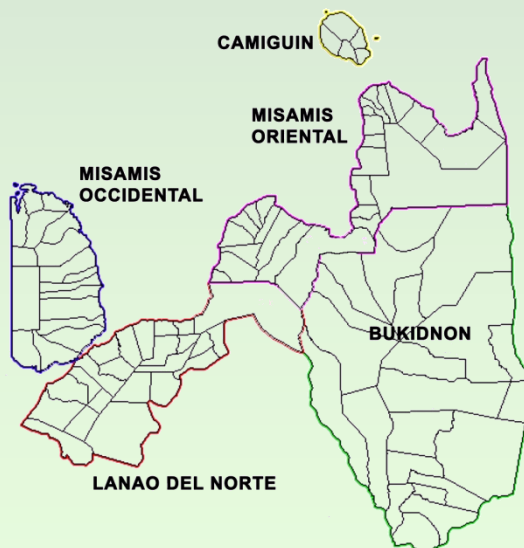




Northern Mindanao

FISHERIES SITUATIONER

JANUARY – DECEMBER 2011

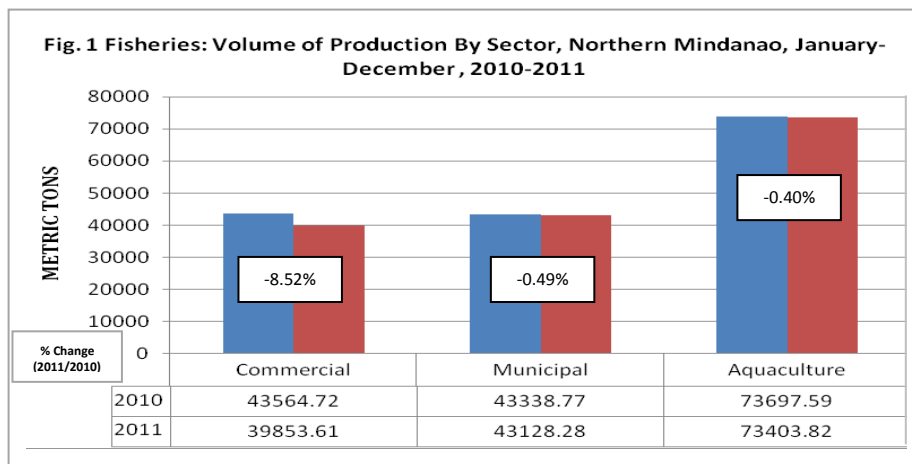


DEPARTMENT OF AGRICULTURE
BUREAU OF AGRICULTURAL STATISTICS
PHILIPPINES

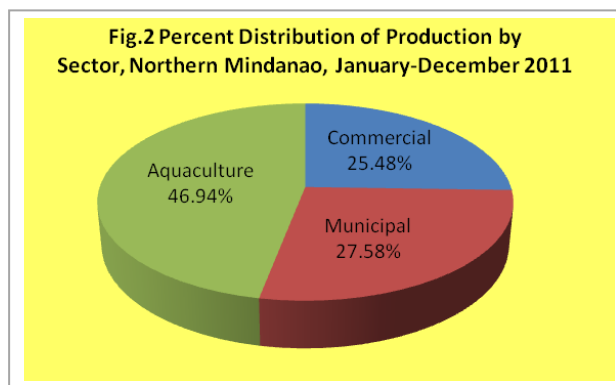
HIGHLIGHTS

In 2011, all sectors recorded decreases in production compared to last year's performance. Highest percentage of decrease was noted in commercial fisheries where production dropped from 43,564.72 metric tons last year to 39,853.61 metric tons this year. Similarly, municipal fishery and aquaculture experienced downswings this year with 0.49 percent and 0.40 percent production cuts, respectively.

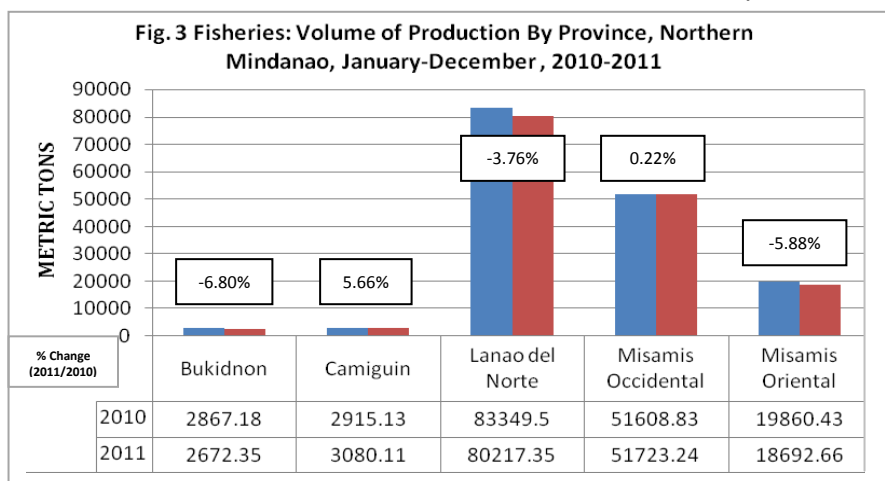
Aquaculture had the biggest share of 46.94 percent in the region's fishery production for 2011. Municipal fisheries contributed 27.58 percent while commercial fisheries accounted for 25.48 percent (Figure 2).



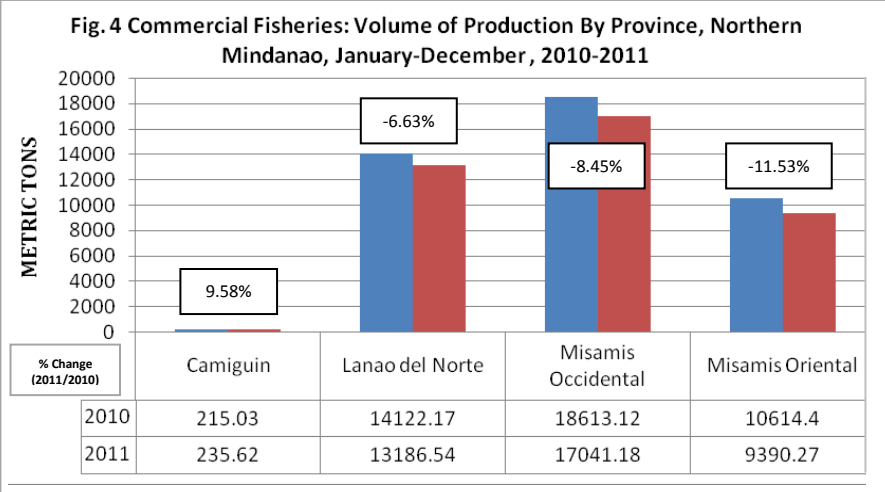
Total volume of fishery production for 2011 was recorded at 156,385.71 metric tons, 2.62 percent lower than last year's production of 160,601.08 metric tons (Table 2). Three (3) provinces (Bukidnon, Lanao del Norte and Misamis Oriental) recorded decreases in production while Camiguin and Misamis Occidental posted an increase. Top producing provinces were Lanao del Norte and Misamis Occidental; they accounted for 51.29 percent and 33.07 percent of the region's fishery production. The rest of the provinces contributed the remaining 15.64 percent.



In Lanao del Norte, the decreased fishery production was the result of the lower production in commercial fishery and aquaculture. The downswing in these two sectors in Lanao del Norte combined with Misamis Oriental's downtrend in commercial and municipal fisheries production led to the negative performance of the fishery sector in the region.



Misamis Occidental posted 0.22 percent increase in production over last year despite the negative performance of the commercial and municipal sector in this province. Camiguin likewise, increased production by 5.66 percent.



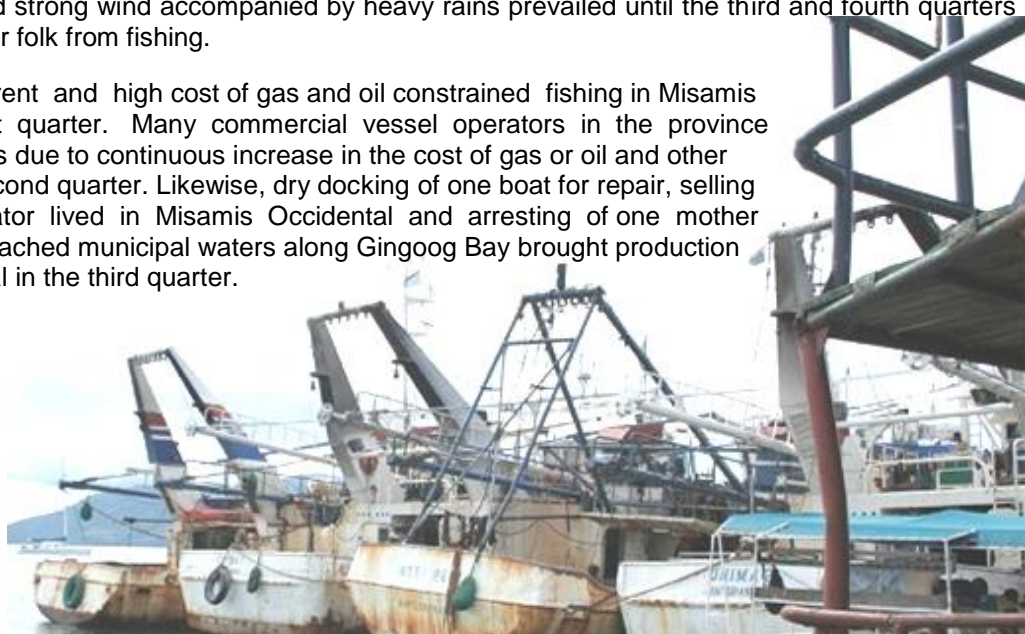
COMMERCIAL FISHERIES

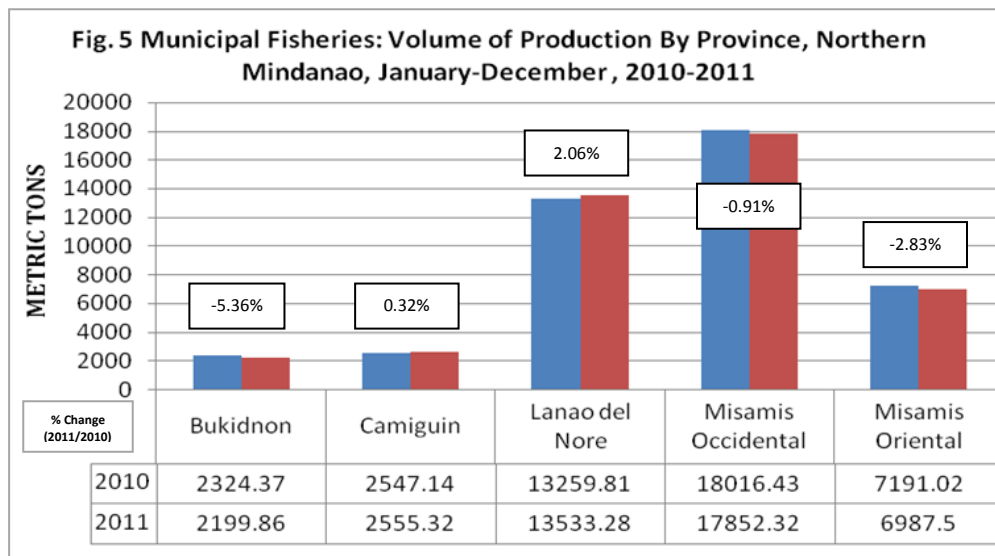
Commercial fisheries production for 2011 dropped by 8.52 percent compared to last year's level. The volume of unloadings at 39,853.61 metric tons was 3,711.11 metric tons lower than last year's record (Table 1a). This was attributed to decrease in production by the top producing provinces, Misamis Occidental by 8.45 percent, Lanao del Norte by 6.63 percent and Misamis Oriental by 11.53 percent. Only Camiguin posted growth this year.

Decreased production in Misamis Occidental was due to lesser days of fishing because of bad weather condition. One fishing vessel was being repaired during the first quarter. Furthermore, temporary stoppage of three (3) commercial vessels in fishing operations in the second quarter likewise, brought production down for Misamis Occidental.

Production in Lanao del Norte was on a downtrend from the first to the last quarter of 2011. The biggest decrease in production was recorded during the last three (3) quarters of 2011. There were lesser fishing trips due to rough seas, strong wind and big waves brought about by typhoon Dodong and Egay in the second quarter. Rough seas and strong wind accompanied by heavy rains prevailed until the third and fourth quarters as these prevented fisher folk from fishing.

Strong water current and high cost of gas and oil constrained fishing in Misamis Oriental during the first quarter. Many commercial vessel operators in the province reduced their fishing trips due to continuous increase in the cost of gas or oil and other material inputs in the second quarter. Likewise, dry docking of one boat for repair, selling of one boat whose operator lived in Misamis Occidental and arresting of one mother catcher boat that encroached municipal waters along Gingoog Bay brought production down in Misamis Oriental in the third quarter.





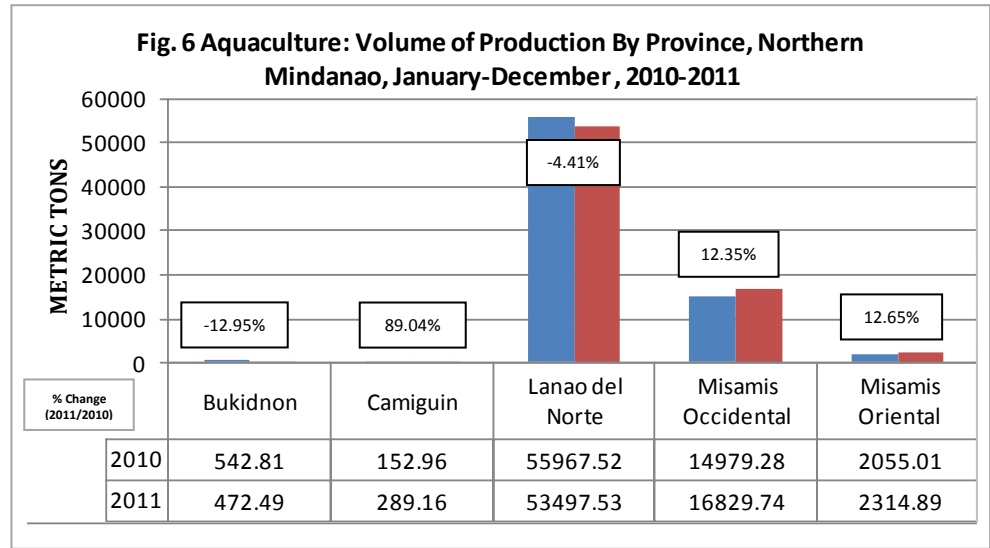
MUNICIPAL FISHERIES

In municipal fisheries, both marine and inland ecosystems had reduced production. Total municipal fishery production for 2011 was recorded at 43,128.28 metric tons, 0.49 percent lower than last year's production of 43,338.77 metric tons (Table 1b). Misamis Occidental, the top producing province, recorded drop in production by 0.91 percent due to lesser fishing days in January as a result of ITCZ and lesser appearance of some fish species during the first quarter and fourth quarter of 2011.

Lanao del Norte came up with 2.06 percent increase in production. Increased production in the third and fourth quarters offset decreased production in the first two quarters. This was attributed to more appearance of seasonal species in the third quarter due to installation of payaos and more unloadings from neighboring towns Clarin and Tangub, Misamis Occidental as encouraged by better prices in the fourth quarter.

In Misamis Oriental and Bukidnon, production went down from last year's levels by 2.83 percent and 5.36 percent respectively. Camiguin, on the other hand, posted a 0.32 percent increase in production over last year.





AQUACULTURE

Aquaculture production for 2011 was recorded at 73,403.82 metric tons, dropping slightly from last year's production of 73,697.59 metric tons (Table 1c). Aquaculture was the major source of fishery production in the region with Lanao del Norte as the largest contributor, sharing about 72.88 percent of the total aquaculture production for 2011. The bulk of production in Lanao del Norte was recorded in the third and fourth quarters of 2011. Third quarter production was lower than last year's level. This was the effect of low salinity and reduction of some operated areas due to frequent rainfall in the third quarter.

In Misamis Occidental, there was increased production from the first to the last quarter of this year. This was attributed to BFAR intervention on tilapia fingerlings dispersal and more propagation of seaweeds in Ozamis and Tangub in the first quarter. Similarly, favorable weather conditions for seaweeds production, more stockings and lesser mortality rate for brackishwater fishponds, additional areas harvested for freshwater fishpond and new existing marine cages brought production up in the second and third quarters of 2011.

Misamis Oriental and Camiguin were also noted with production increases of 12.65 percent and 89.05 percent respectively. Production growth in Misamis Oriental was primarily contributed by bangus in marine cage culture in the second quarter and additional culture of bangus and siganid in cages during the third quarter.



**Table 1a. Commercial Fisheries: Volume of Production by Province,
by Subsector, Region X, January-December 2010-2011**

Sector/Province	2010	2011	% Change
NORTHERN MINDANAO	43,564.72	39,853.61	(8.52)
Bukidnon	-	-	-
Camiguin	215.03	235.62	9.58
Lanao del Norte	14,122.17	13,186.54	(6.63)
Misamis Occidental	18,613.12	17,041.18	(8.45)
Misamis Oriental	10,614.40	9,390.27	(11.53)

**Table 1b. Municipal Fisheries: Volume of Production by Province,
by Subsector, Region X, January-December 2010-2011**

Province	2010	2011	% Change
NORTHERN MINDANAO	43,338.77	43,128.28	(0.49)
Bukidnon	2,324.37	2,199.86	(5.36)
Camiguin	2,547.14	2,555.32	0.32
Lanao del Norte	13,259.81	13,533.28	2.06
Misamis Occidental	18,016.43	17,852.32	(0.91)
Misamis Oriental	7,191.02	6,987.50	(2.83)

**Table 1c. Aquaculture: Volume of Production by Province,
by Subsector, Region X, January-December 2010-2011**

Sector/Province	2010	2011	% Change
NORTHERN MINDANAO	73,697.59	73,403.82	(0.40)
Bukidnon	542.81	472.49	(12.95)
Camiguin	152.96	289.16	89.04
Lanao del Norte	55,967.52	53,497.53	(4.41)
Misamis Occidental	14,979.28	16,829.74	12.35
Misamis Oriental	2,055.01	2,314.89	12.65

Source: COUNTRYSTAT

Table 1a. Commercial Fisheries: Volume of Production by Province, by Subsector, Region X, January-December 2010-2011 (Metric Tons)

Sector/Province	2010					2011					% Change 2011/2010
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	
NORTHERN MINDANAO	10,370.96	16,059.68	10,221.76	6,912.32	43,564.72	9,039.70	14,935.04	9,628.37	6,250.50	39,853.61	(8.52)
Bukidnon	-	-	-	-	-	-	-	-	-	-	-
Camiguin	19.07	42.69	100.30	52.97	215.03	21.43	41.85	105.85	66.49	235.62	9.58
Lanao del Norte	2,198.74	4,568.81	3,227.60	4,127.02	14,122.17	2,185.19	4,240.11	2,900.57	3,860.67	13,186.54	(6.63)
Misamis Occidental	6,431.49	6,415.45	4,372.30	1,393.88	18,613.12	5,434.60	6,030.51	4,333.53	1,242.54	17,041.18	(8.45)
Misamis Oriental	1,721.66	5,032.73	2,521.56	1,338.45	10,614.40	1,398.48	4,622.57	2,288.42	1,080.80	9,390.27	(11.53)

Table 1b. Municipal Fisheries: Volume of Production by Province, by Subsector, Region X, January-December 2010-2011 (Metric Tons)

Sector/Province	2010					2011					% Change 2011/2010
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	
NORTHERN MINDANAO	10,844.87	11,805.71	11,256.83	9,431.36	43,338.77	9,984.18	11,639.57	12,024.99	9,479.54	43,128.28	(0.49)
Bukidnon	648.07	642.40	388.67	645.23	2,324.37	456.70	623.53	585.23	534.40	2,199.86	(5.36)
Camiguin	738.52	590.71	708.04	509.87	2,547.14	676.46	616.11	724.76	537.99	2,555.32	0.32
Lanao del Norte	3,140.93	2,297.57	4,000.94	3,820.37	13,259.81	2,902.65	2,242.25	4,182.03	4,206.35	13,533.28	2.06
Misamis Occidental	4,678.77	5,768.11	4,683.31	2,886.24	18,016.43	4,479.51	5,768.06	4,898.39	2,706.36	17,852.32	(0.91)
Misamis Oriental	1,638.58	2,506.92	1,475.87	1,569.65	7,191.02	1,468.86	2,389.62	1,634.58	1,494.44	6,987.50	(2.83)

Table 1c. Aquaculture: Volume of Production by Province, by Subsector, Region X, January-December 2010-2011 (Metric Tons)

Sector/Province	2010					2011					% Change 2011/2010
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Annual	
NORTHERN MINDANAO	15,744.72	16,567.08	22,834.47	18,551.31	73,697.59	16,534.50	15,886.80	21,191.22	19,791.30	73,403.82	(0.40)
Bukidnon	245.49	76.29	88.08	132.94	542.81	200.25	71.21	90.60	110.43	472.49	(12.95)
Camiguin	30.76	62.47	39.42	20.31	152.96	52.69	70.92	74.43	91.13	289.16	89.04
Lanao del Norte	12,042.40	11,453.90	17,839.93	14,631.29	55,967.52	12,289.64	10,328.70	15,317.98	15,561.21	53,497.53	(4.41)
Misamis Occidental	3,066.89	4,702.81	4,340.99	2,868.59	14,979.28	3,450.37	4,959.72	5,104.40	3,315.25	16,829.74	12.35
Misamis Oriental	359.17	271.61	526.05	898.18	2,055.01	541.54	456.25	603.82	713.28	2,314.89	12.65

Source: COUNTRYSTAT

Table 2. Fisheries: Volume of Production by Sub-Sector, by Province, Region X, January-December 2010 - 2011
(Metric Tons)

Region/ Sub-Sector	Fisheries		% Change 11/10	Commercial		% Change 11/10	Municipal		% Change 11/10	Aquaculture		% Change 11/10
	2010	2011		2010	2011		2010	2011		2010	2011	
	Region X	160,601.07		156,385.70	(2.62)		43,564.72	39,853.61		(8.52)	43,338.77	
Bukidnon	2,867.18	2,672.35	(6.80)	-	-	-	2,324.37	2,199.86	(5.36)	542.81	472.49	(12.95)
Camiguin	2,915.13	3,080.10	5.66	215.03	235.62	9.58	2,547.14	2,555.32	0.32	152.96	289.16	89.04
Lanao del Norte	83,349.50	80,217.35	(3.76)	14,122.17	13,186.54	(6.63)	13,259.81	13,533.28	2.06	55,967.52	53,497.53	(4.41)
Misamis Occidental	51,608.83	51,723.24	0.22	18,613.12	17,041.18	(8.45)	18,016.43	17,852.32	(0.91)	14,979.28	16,829.74	12.35
Misamis Oriental	19,860.43	18,692.66	(5.88)	10,614.40	9,390.27	(11.53)	7,191.02	6,987.50	(2.83)	2,055.01	2,314.89	12.65

Table 3. Municipal Fisheries: Volume of Production by Sub-Sector, by Province, Region X, January-December 2010 - 2011
(Metric Tons)

Region/ Sub-Sector	Municipal		% Change 11/10	Marine		% Change 11/10	Inland		% Change 11/10
	2010	2011		2010	2011		2010	2011	
	Region X	43,338.77		43,128.28	(0.49)		39,139.74	39,013.49	
Bukidnon	2,324.37	2,199.86	(5.36)	-	-	-	2,324.37	2,199.86	(5.36)
Camiguin	2,547.14	2,555.32	0.32	2,545.97	2,554.38	0.33	1.17	0.94	(19.66)
Lanao del Norte	13,259.81	13,533.28	2.06	11,622.25	11,871.75	2.15	1,637.56	1,661.53	1.46
Misamis Occidental	18,016.43	17,852.32	(0.91)	17,976.71	17,765.90	(1.17)	39.72	86.42	117.57
Misamis Oriental	7,191.02	6,987.50	(2.83)	6,994.81	6,821.46	(2.48)	196.21	166.04	(15.38)

Source: COUNTRYSTAT