

# SCIENTIFIC COMMITTEE EIGHTH REGULAR SESSION

7-15 August 2012 Busan, Republic of Korea

WPEA OFM Project: Progress Report – Philippines

WCPFC-SC8-2012/ RP-WPEA-05 Rev 1

**PHILIPPINES** 





# WEST PACIFIC EAST ASIA OCEANIC FISHERIES MANAGEMENT PROJECT

# **WPEA OFMP**



# PROGRESS REPORT – PHILIPPINES

July 2012

# Prepared for

WPEA – OFMP Steering Committee Meeting 8<sup>th</sup> Regular Session of the Scientific Committee Western and Central Pacific Fisheries Commission

# Prepared by

Bureau of Fisheries and Aquatic Resources National Fisheries Research and Development Institute Republic of the Philippines

# **ACKNOWLEDGEMENTS**

This project would like to acknowledge the support, contribution and assistance of various government agencies and organizations. The contribution of the fishing industry is recognised and highly valued in this project. The technical expertise of Mr. Peter Williams from SPC and the support of Dr. Sungkwon Soh, Project Manager are greatly appreciated.

The funding support from the Global Environment Facility, and co-finances from the Australian Government Overseas Aid Program, Japan Trust Fund, Korea's Yeosu Project, Netherlands, National Oceanic and Atmospheric Administration of the USA, and WCPFC are gratefully acknowledged.

# WEST PACIFIC EAST ASIA OCEANIC FISHERIES MANAGEMENT PROJECT (WPEA-OFMP): PROGRESS REPORT 2012

## Philippine Component

#### I. INTRODUCTION

The West Pacific East Asia Oceanic Fisheries Management Project (WPEA-OFMP) is a three (3) year project which started January 2010. The main objective of this project was to strengthen national capacities and international cooperation on priority transboundary concerns relating to the conservation and management of highly migratory fish stocks in the west Pacific Ocean and east Asia (Indonesia, Philippines and Vietnam). The project has two (2) main components, namely, i) Monitoring, data enhancement and fishery assessment and ii) Policy, institutional strengthening and fishery management.

Highlights of activities undertaken under the two (2) project components from January 2010 to June 2012 are discussed below.

#### II. MONITORING, DATA ENHANCEMENT and FISHERY ASSESSMENT

#### A. PORT SAMPLING ACTIVITIES

Port sampling activities were continued after the IPDCP through NSAP monitoring activities in a few selected landing sites around the country through BFAR and ACIAR funding support. The NSAP enumerators collected data from their assigned ports particularly on oceanic tuna/s (e.g. yellowfin, bigeye and skipjack). The enumerators collected data according to NSAP procedures and were supervised by the Regional Stock Assessment Project Leader. Monthly reports are forwarded to the National Fisheries Research and Development Institute (NFRDI) to be encoded in the NSAP Database System. With the help of WPEA-OFMP funding support which started January 2010, we were able to monitor additional tuna landing sites and continue monitoring activities in areas funded by ACIAR which ended August 2010. Below is the list of sampling sites and number of enumerators assigned.

**Table1.** List of port sampling areas monitored and number of enumerators assigned.

Region and Sampling Site/Port	Number of Enumerators
Region 1: Sta. Cruz, Ilocos Sur	2
Region 3: Masinloc, Zambales	2
Region 4B: Puerto Princesa City	1
Region 4B: Mindoro Oriental*	5
Region 5: Bicol	2
Region 6: San Jose, Antique	2
Region 8: Samar*	4
Region 11: Davao	2
Region 12: General Santos City*	4
CARAGA: Surigao del Sur*	4
ARMM: Jolo, Sulu	2

Note: \* 2 or more enumerators funded under the Philippine Data Collection Project (PDCP)

#### B. ANNUAL TUNA CATCH ESTIMATES REVIEW WORKSHOP

The 5th Tuna Fisheries Catch Estimates Review Workshop last May 2011 was conducted to review and validate Philippine catch estimates by species and gear type. The workshop was attended by different government agencies and the tuna industry. Data from different sources, namely, BFAR (NSAP, logsheets, cannery receipts), BAS, PFDA and industry were presented and reviewed. The breakdown of the catch by gear according to the process undertaken in the workshop is as follows: Purse Seine (PS) – 51,184MT; Ringnet (RN) – 27,923MT; Handline – 10,864MT; Hook and Line (HL) - 15,000MT and Others (OTH) - 1,871MT. While the breakdown by species is as follows: Skipjack (SKJ) – 67,486MT; Yellowfin (YFT) – 37,172MT and Bigeye (BET) - 2,185MT. After removing the foreign-flagged catch landed in the Philippines from the BAS estimate, there was a difference of around 114,000MT. difference could be due to the difficulties in estimating the diverse municipal fisheries and could be explained as possible bias in the probability surveys due to very low coverage. The workshop participants noted that while the industrial fleet estimates are now becoming more reliable, there is still a major problem in determining and validating the estimates of the small-scale municipal fisheries that needs to be resolved in the near future. More details on the workshop outputs kindly refer to the workshop report.

#### C. MUNICIPAL TUNA FISHERIES PROFILE: REGION 8 – EASTERN SAMAR

The Fourth Philippines/WCPFC Annual tuna catch estimates workshop (16-17 May 2011) also noted that the estimates for the municipal fisheries were difficult to determine. The WS came-up with a recommendation:

<u>BFAR/NFRDI</u> and <u>WPCFC/SPC</u> consider a study of all Philippines regions that looks at environmental conditions (e.g. bathymetry) of the waters restricted to municipal fisheries (with 15km) to determine the likelihood that hook-and-line vessels at nearby landing sites would catch significant amounts of oceanic tuna species.

Given the large difference between the BAS and NSAP catch estimates, Region 8 was selected for this preliminary study in 2011/2012.

Based on this study the following should be considered:

- Our NSAP data in four (4) key tuna landing areas in Region 8 particularly in Eastern Samar, noted less than 1% of bigeye tuna, 46% yellowfin tuna, 40% skipjack and 15% other species for 2011 with a total of 1,110.45 t., which is much less than the BAS estimate.
- When accounting for both the NSAP and the non-NSAP landing sites (see table at the start of this presentation), the catch estimate (1,658 3,000 t.) is still significantly lower than the BAS municipal fisheries estimate for Region 8 (16, 903 t.).
- In Region 8, Municipal fishers move out of municipal waters catch oceanic tunas (e.g. yellowfin, skipjack). They sometimes? travel 8 20 nautical miles or more from their base to reach their fishing grounds. These are also the areas were payaos are located and usually owned by commercial fishing operators.
- BAS estimates should try to consider seasonality of catches in coming-up of estimates for the municipal sector. There are times when there are no catch or unloading for 1 3 months or even up to six (6) months in a particular tuna landing area that was observed in this study.
- We should also try to consider the species composition in the landing sites there are areas where fish unloading are mainly for small pelagic or demersal fishes.

• It is suggested to review the frame survey to identify the landing areas that have significant catches or unloading of oceanic tunas because this study observed that not all municipal sites have significant oceanic tuna unloadings.

#### D. OBSERVER DEBRIEFING WORKSHOP

The Bureau of Fisheries and Aquatic Resources (BFAR) has been implementing the Fisheries Observer Program since 2009 to present. The Fisheries Observer Program has already trained a total of 135 observers and has deployed a total of 86 observers in commercial fishing vessels in view with the implementation of the FAD Fishing Closure for 3 months period from July to September of each year and as well in gathering catch data for regular monitoring. Philippine Observers gather data from fishing vessels fishing activities including total catch, species composition, bycatch, Fish Aggregating Device (FAD) and Vessel sightings. These data are crucial in formulating policies and regulations for fisheries management.

In the course of the Program implementation it was observed that debriefers have to be trained in order to gather quality data from fisheries observers. There is a need for a proper briefing and debriefing procedures for boarding and disembarking observers. Briefing prior to boarding a vessel is required by the Program in order to instruct observers on the activities to be conducted and other fishery/scientific data for the observer to gather. Debriefing is also an important tool for the Program to make sure that the disembarking observers have followed the instructions during briefing and allows the Program to check if the proper procedures and protocols in data gathering were been applied and to establish basis to evaluate the performance of its observers. The Briefing and Debriefing workshop is also a requirement by the Western and Central Pacific Fisheries Commission during the audit conducted. The said activity was conducted last June 7 – 15, 2012 and trained 30 competent debriefers for the Program.

#### E. TUNA DATA AND RESEARCH INVENTORY

A national inventory on tuna data and research was produced. The inventory tried to record and assesses different sources of tuna data information gathered, managed and stored by various agencies and organizations including tuna researches conducted by academe, research institutes and various agencies/organizations in the Philippines. The key elements of the inventory include (i) source of data, (ii) type of data, (iii) temporal and spatial resolution, (iv) time periods covered, (v) availability and (vi) media (e.g. electronic, hard-copy). The inventory was conducted last April to June 2012.

# III. POLICY, INSTITUTIONAL STRENGTHENING and FISHERY MANAGEMENT

## A. POLICY, LEGAL and INSTITUTIONAL ARRANGEMENTS

The review of the policy, legal and institutional arrangements for WCPFC-related matters including the preparation of checklist of shortfalls was included in the Philippine annual workplan. The purpose of this review is to assists the government of the Philippines in improving its policy, legal and institutional arrangements in compliance with the requirements of the Western and Central Pacific Fisheries Commission (WCPFC). A consultancy report was prepared in November 2010 which also includes a Comparative Matrix of WCPFC Member Obligations with Philippine Policy/Law/Institutional Arrangements. This matrix was updated last May 28, 2012 based on what the Philippine government has done for the past years in relation to Philippine compliance with WCPFC.

#### B. NATIONAL TUNA MANAGEMENT PLAN

The Revised Philippine National Tuna Management Plan provides the framework for the sustainable management and equitable use of tuna fisheries in the country, promotion of responsible fishing practices by Philippine-flagged vessels fishing for tuna in areas beyond national jurisdiction, and the development of the fishing industry through responsible trade of tuna products. This Plan implements the *Philippine Fisheries Code* (Republic Act 8550) and all relevant domestic policies, legislation and regulations, including the obligations of the Philippines under international and regional fisheries agreements to which the country is a party. The Plan has been revised to align management measures with the need for the proper conservation of tuna resources and the development of the Philippine tuna industry. The Philippine National Tuna Management Plan elaborates the objectives, principles, and scope of the Plan, the importance of tuna fisheries in the Philippines, applicable legal, policy and institutional framework, and management and enforcement measures for tuna fisheries in the Philippines. The revised plan was done last November 2010 and was updated last 28 May 2012.

#### C. NATIONAL TUNA INDUSTRY COUNCIL REVIEW

The main objective of this review is to make National Tuna Industry Council (NTIC) more responsive and proactive to the needs and issues of the Philippine Tuna Industry, with the end in view of attaining sustainable development and promoting competitiveness. The review looked into the current activities and functions of the National Tuna Industry Council (NTIC); identifying problems or areas that needs improvement; and recommend actions that needs to be taken for the improved functions of the National Tuna Industry Council (NTIC). The review of the NTIC functions was done last October to December 2011and the recommendations was updated last 29 May 2012.

#### D. NATIONAL TUNA FISHERY PROFILE

The draft Philippine Tuna Fisheries Profile was produced last May 2012and presented to key persons wherein the revised outline was agreed last 29 May 2012 and will be adopted in the finalization of the profile by November 2012. The revised outline is found in **Annex 3**.

#### IV. SUMMARY OF PROJECT ACTIVITIES AND BUDGET

Please refer to **Annex 2** for details.

# V. FUTURE PROJECT ACTIVITIES

The future activities of this project will be geared towards accomplishing the following:

- 1. Continued coordination with:
  - a. BFAR Regional offices to collect monthly port sampling (NSAP)
  - b. Fishing industry to submit monthly logsheets data
  - c. Canneries to collect monthly cannery receipts
- 2. Conduct of annual review to evaluate different sources of catch estimates and produce best possible estimates to be provided to WCPFC.
- 3. Improve compliance and quality of logsheets data submitted through awareness workshop.
- 4. Continued coordination of tuna tagging activities.
- 5. Updating of WPEA-OFMP website: http://www.nfrdi.da.gov.ph/P-WPEA.html
- 6. Finalization of National Tuna Fishery Profiles

- 7. Conduct of local stock assessment workshop
- 8. Conduct of PLI Workshop (Implementation Manual, Tuna Fishery Profiles, NTIC issues, etc)
- 9. Experts workshop on tuna management on local basis
- 10. Continue to conduct field study for the compilation of catch information at landing sites to improve the municipal "small tuna" hook-and-line annual catch estimates.

**Annex 1**. Summary of total unloading/s and total sampled catch from January 2010 until June 2012 by region, landing center and gear.

Region	Landing Center	Gear	Days Sampled	%	TOTAL UNL	MT	Trips	%	AL SAMP	LED %	
1	Balaoi, Pagudpud, Ilocos Norte	Multiple Troll Line	7	11%	69	0	43	62%	0	62%	299
	Balaoi, Pagudpud, Ilocos Norte	Troll line	46	19%	226	2	225	99%	2	100%	346
	Balingasay, Bolinao, Pangasinan	Hook & Line	8	27%	16	0	16	100%	0	100%	69
	Cato, Infanta, Pangasinan Gaang, Currimao, Ilocos Norte	Tuna Drift Longline Multiple Hook & Line	58 28	24%	114 246	35 3	114 246	100%	34 3	99%	2,661
	Gabu, Laoag City	Troll line	43	18%	311	2	311	100%	2	100%	5,04
	Luciente 1, Bolinao, Pangasinan	Purse seine	23	19%	33	132	33	100%	132	100%	1,24
	Paringao, Bauang, La Union	Hook & Line	11	18%	27	0	27	100%	0	100%	8
	Pasaleng, Pagudpud, Ilocos Norte	Troll line	18	10%	155	1	155	100%	1	100%	12
	Petal, Dasol, Pangasinan	Drift gillnet	25	27%	168	2	168	100%	2	100%	52
	Pilar, Sta. Cruz, Ilocos Sur Poblacion 1, Pagudpud, Ilocos Nort	Hook & Line	67 35	28%	837 240	16 1	828 240	99%	16 1	100%	4,27
	Puro, Magsingal	Hook & Line	26	12%	147	5	147	100%	0	8%	2,01
	San Pedro, Narvacan, Ilocos Sur	Hook & Line	41	23%	151	2	151	100%	2	100%	426
3	Calibungan	Handline	30	25%	295	7	95	32%	2	31%	1,21
	Calibungan	Hook & Line	7	23%	75	2	23	31%	1	31%	53
	Calibungan	Purse seine	8	26%	14	87	13	93%	81	92%	38
	Calibungan	Ringnet	35	29%	66	352	46	70%	247	70%	1,75
	Masinloc Fishport Masinloc Fishport	Handline Hook & Line	80 7	24%	438 34	14	353 28	81% 82%	10	70% 77%	2,82
	Matalvis & Balogo Fishport	Purse seine	92	25%	180	773	135	75%	485	63%	7,70
	Subic Fishport	Multiple Hook & Line	48	31%	537	284	398	74%	221	78%	4,10
	Subic Fishport	Purse seine	35	23%	47	252	47	100%	252	100%	2,32
	Subic Fishport	Ringnet	1	3%	1	5	1	100%	5	100%	5
4	Brgy. Sta. Lourdes (Sitio Magarwat		10	33%	40	7	40	100%	7	100%	17
	Brgy. Bagong Silang	Multiple Hook & Line	36	24%	137	5	137	100%	5	100%	64
	Brgy. Tagburos	Hook & Line	1	3%	0	0	0	0%	0	0%	2.2
	Brgy. Tagburos Brgy. Bancao bancao	Multiple Hook & Line Handline	73 3	24%	182	5 0	182	100%	5 0	100%	230
	Brgy. Bancao bancao	Hook & Line	96	26%	528	114	527	99%	114	100%	2,43
	Brgy. Matahimik Fishport	Hook & Line	9	15%	18	8	18	100%	8	100%	21
5	Batalay	Ringnet	101	55%	117	91	117	100%	91	100%	1,75
	Brgy. Sabang, San Jose, Camarines	SHandline	162	67%	1,826	30	1,300	71%	29	97%	88
	Brgy. Sabang, San Jose, Camarines		60	28%	295	1	277	94%	1	98%	23
	Nato, Sagnay, Camarines Sur	Botton set longline	158	65%	1,234	6	1,219	99%	6	99%	23
	Nato, Sagnay, Camarines Sur	Handline	120	49%	408	5	395	97%	5	99%	28
	Nato, Sagnay, Camarines Sur	Multiple Hook & Line Hook & Line	32 20	17% 13%	64 26	0	63 26	98%	0	0% 100%	10 15
	Pananaogan Pananaogan	Ringnet	101	55%	215	198	212	99%	195	98%	3,00
	Sugod, Tiwi, Albay	Handline	159	65%	1,940	44	1,568	81%	43	99%	2,36
	Sugod, Tiwi, Albay	Multiple Hook & Line	30	24%	164	1	135	82%	1	99%	48
	Tabaco City	Handline	158	65%	922	62	522	57%	61	98%	85
	Tabaco City	Multiple Hook & Line	11	9%	14	1	13	93%	1	100%	
6	Buruanga, Aklan, Algeria Fishport	Drift gillnet	93	51%	956	36	863	90%	34	94%	22
	Buruanga, Aklan, Algeria Fishport	Hook & Line	62	34%	74	2	65	88%	1	84%	1
	Dumatad & Jawili, Tangalan, Aklan Dumatad & Jawili, Tangalan, Aklan	Hook & Line Stationary Liftnet	44 59	18%	1,156 304	12 13	1,156 303	100% 99%	12 13	100%	
	Iloilo Fishing Port	Danish Seine	108	40%	90	325	90	100%	325	100%	
	Iloilo Fishing Port	Hook & Line	10	7%	10	29	10	100%	29	100%	
	Iloilo Fishing Port	Purse seine	158	58%	191	903	190	99%	903	100%	1,57
	Maybato North/San Angel, San Jose	Hook & Line	82	25%	103	199	103	100%	198	99%	57
	Maybato North/San Angel, San Jose	Multiple Hook & Line	83	25%	100	169	100	100%	164	97%	1,09
	Maybato North/San Angel, San Jose	Purse seine	56	18%	33	56	33	100%	56	100%	
	Maybato North/San Angel, San Jose	Ringnet	96	32%	627	547	623	99%	546	99%	35
	Maybato North/San Angel, San Jose	Ringnet-Payao	9	29% 34%	103 188	85 22	103 183	100% 97%	85	100%	4 21
	Maybato, San Jose, Antique Maybato, San Jose, Antique	Hook & Line Multiple Hook & Line	115 146	44%	308	66	307	99%	22 63	95%	1.73
	Talisayan, Aninii-y, Antique	Drift gillnet	44	48%	35	1	34	97%	1	96%	1,,5
	Talisayan, Aninii-y, Antique	Hook & Line	115	63%	1,095	91	1,078	98%	90	99%	
8	Ngolos, Guiuan, E. Samar	Hook & Line	104	31%	1,029	45	1,024	99%	44	99%	16
	Sabang 1, Borongan, E. Samar	Hook & Line	120	33%	643	31	639	99%	30	99%	3,50
	Sabang 1, Borongan, E. Samar	Troll line	63	17%	118	20	117	99%	20	99%	1,27
	Sabang 2, Borongan, E. Samar	Hook & Line	115	32%	1,001	55	99	99%	55	100%	3,82
	Sabang 2, Borongan, E. Samar Sapao Beach, Guiuan, E. Samar	Troll line Hook & Line	53 101	15% 30%	74 787	15 13	74 779	100% 99%	15 13	100% 99%	85 49
11	Bais, Govvernor, Generoso	Handline	13	21%	72	8	779	100%	8	100%	12
	Bais, Sigaboy	Handline	8	26%	34	2	34	100%	2	100%	3
	Bitaug, Sta. Cruz	Handline	16	17%	81	1	79	98%	1	100%	21
	Cebulida	Handline	2	6%	7	1	7	100%	1	100%	2
	Mandalihan	Handline	20	22%	55	6	55	100%	6	100%	13
	Poblacion Kinanga 1	Handline	51	28%	257	6	257	100%	6	100%	9
	Poblacion Kinanga 1	Multiple Hook & Line	9	29%	34	0	34	100%	0	0%	
	Poblacion Kinanga 2	Handline	51 7	28%	205 19	8	204 19	99%	8	99%	14
	Poblacion Kinanga 2 Sabang Malita	Multiple Hook & Line Handline	7 18	11%	19 23	0		100%	0	99%	3
	Sabang Malita Sabang Malita	Multiple Hook & Line	18	15%	23 68	1		100%	1	98%	3 57
	Sabang Malita	Troll line	4	4%	6	0	6	100%	0	100%	57
	Talucanga	Handline	10	16%	27	1	27	100%	1	100%	
	Talucanga	Handline	7	23%	11	1	11	100%	1	100%	
12	M-1, GSCFPC	Handline	127	35%	1,162	3,268	866	75%	2,430	74%	
	M-3, GSCFPC	Purse seine	110	30%	278	5,215	77	28%	1,825	35%	
	M-3, GSCFPC	Ring net	117	32%	788	7,714	49	6%	741	10%	20,55
RAGA	Santan, Bungtod, Surigao del Sur	Drift Longline	14	47%	122	5	166	97%	5	98%	88
	Santan, Bungtod, Surigao del Sur Santan, Bungtod, Surigao del Sur	Multiple Hook & Line Handline	32 3	52% 10%	225 4	9	223 4	99%	9	99%	72
	Santan, Bungtod, Surigao del Sur Santan, Bungtod, Surigao del Sur	Troll line	3 75	10%	705	17	702	99%	16	99%	2,30
	Tandag, Bungtod, Surigao del Sur	Troll line	14	45%	187	4	187	100%	4	100%	2,30 50
	Unidad_Aras-Asan, Surigao del Sur	Hook & Line	12	20%	65	4	65	100%	4	100%	40
	Unidad_Aras-Asan, Surigao del Sur	Handline	17	18%	25	1		100%	1	100%	9
	Unidad_Aras-Asan, Surigao del Sur	Troll line	85	56%	611	54	611	100%	53	99%	2,51
ARMM	Jolo, Sulu	Drift Gillnet	182	50%	725	122	724	99%	119	98%	4,73
ARMM	Jolo, Sulu	Hook & Line	29	9%	45	1	45	100%	1	100%	16
ARMM			_	5%	3	0	3	100%	0	100%	3
ARMM	Jolo, Sulu	Multiple Hook & Line	3		_						
ARMM	Jolo, Sulu Jolo, Sulu	Ring net	124	34%	515	780	514	99%	739	95%	
ARMM	Jolo, Sulu Jolo, Sulu Tapian D.O.S. Maguindanao	Ring net Gillnet	124 49	34% 27%	88	4	88	100%	4	91%	38
ARMM	Jolo, Sulu Jolo, Sulu	Ring net	124	34%							2,82 38 4 77

te: January to December

			Days		TOTAL UN				AL SAME		
Region 1	Balaoi, Pagudpud, Ilocos Norte	Gear Troll line	Sampled 32	10%	Trips 121	<b>MT</b>	Trips 120	99%	MT	100%	260
	Balingasay, Bolinao, Pangasinan Balingasay, Bolinao, Pangasinan	Bagnet Gillnet	2 2	6% 6%	3 2	0	3 2	100%	0	100%	40 12
	Balingasay, Bolinao, Pangasinan Balingasay, Bolinao, Pangasinan	Hook & Line Multiple Hook & Line	18 35	12%	28 87	0 2	28 87	100%	0	100%	320 513
	Cato, Infanta, Pangasinan	Tuna Drift Longline Multiple Hook & Line	21	23%	41 210	15	41	100%	15	100%	911
	Gaang, Currimao, Ilocos Norte Gaang, Currimao, Ilocos Norte	Troll line	19 22	16%	125	3	210 125	100%	3	100%	1,510 751
	Gabu, Laoag City Gabu, Laoag City	Multiple Hook & Line Purse seine	18	12% 3%	127 6	0	126 6	99%	1 0	99%	2,946 25
	Gabu, Lacag City Luciente 1, Bolinac, Pangasinan	Troll line Bagnet	36 10	13%	349 4	5	348	100%	5	100%	1,855
	Luciente 1, Bolinao, Pangasinan Luciente 1, Bolinao, Pangasinan	Gillnet Hook & Line	12	20%	13	0	13	100%	0	100%	285 270
	Luciente 1, Bolinao, Pangasinan	Purse seine	47	13%	61	203	61	100%	200	98%	705
	Pasaleng, Pagudpud, Ilocos Norte Pasaleng, Pagudpud, Ilocos Norte	Baby Ringnet Beach seine	5 2	4% 3%	6 2	4	6 2	100%	4 0	100%	40 20
	Pasaleng, Pagudpud, Ilocos Norte Pasaleng, Pagudpud, Ilocos Norte	Multiple Hook & Line Troll line	1	3 % 6 %	2 37	0	2 37	100%	0	100%	5 44
	Petal, Dasol, Pangasinan Petal, Dasol, Pangasinan	Drift gillnet Multiple Hook & Line	8 8	98	22 10	0	22	100% 90%	0 5	100%	88 116
	Pilar, Sta. Cruz, Ilocos Sur	Hook & Line	75	22%	1,069	26	1,069	100%	24	96%	2,898
	Pilar, Sta. Cruz, Ilocos Sur Poblacion 1, Pagudpud, Ilocos Norte	Multiple Hook & Line Beach seine	13 2	3%	3	2	138	100%	2	98%	1,260 21
	Poblacion 1, Pagudpud, Ilocos Norte Poblacion 1, Pagudpud, Ilocos Norte	Botton set gillnet Troll line	3 36	3% 10%	4 203	6	4 197	97%	0 6	99%	23 1,873
	Puro, Magsingal San Lorenzo Abaca, Bangui, Ilocos Norte	Hook & Line Beach seine	15 4	10%	58 5	1	58 5	100%	1 0	100%	488 31
	San Lorenzo Abaca, Bangui, Ilocos Norte	Bottom set gillnet Troll line	1 3	3% 5%	1	0	1	100%	0	100%	1
	San Lorenzo Abaca, Bangui, Ilocos Norte San Pedro, Narvacan, Ilocos Sur	Handline	37	17%	133	2	133	100%	2	100%	511
3	San Pedro, Narvacan, Ilocos Sur Calibungan	Hook & Line Handline	18 64	12%	1,177	16	239	98%	3	100%	1,901
	Calibungan Masinloc Fishport	Purse seine Handline	51 49	14%	87 369	527 10	74 225	85% 61%	452 6	86% 62%	2,260 1,518
	Matalvis & Balogo Fishport Subic Fishport	Purse seine Multiple Hook & Line	59 113	18%	130 1,418	400 600	95 869	73% 61%	293 378	73% 63%	5,118 9,044
	Subic Fishport	Purse seine	49	13%	101	781	101	100%	781	100%	2,633
4	Brgy. Bagong Silang Brgy. Tagburos	Multiple Hook & Line Multiple Hook & Line	58 22	16%	185 61	7 2	185 61	100%	7	100%	543 148
	Brgy. Bancao bancao Brgy. Matahimik Fishport	Hook & Line Hook & Line	58 34	16%	332 75	47 50	332 75	100%	47 50	99%	1,274 417
	Brgy. Matahimik Fishport Brgy. Matahimik Fishport	Hook & Line-Payao Multiple Hook & Line	1 8	3%	1 9	2	1 8	100%	2	100%	16 75
5	Batalay, Bato, Catanduanes	Beach seine	11	19%	12	0	12	100%	0	0%	0
	Batalay, Bato, Catanduanes Cabugao, Bato, Catanduanes	Ringnet Beach seine	3 45	30%	5 51	4 0	5 51	100%	4 0	100%	81
	Cabugao, Bato, Catanduanes Cabugao, Bato, Catanduanes	Botton set gillnet Hook & line	56 41	37%	67 113	0	67 113	100%	0	0%	0
	Pananaogan, Bato, Catanduanes Pananaogan, Bato, Catanduanes	Botton set gillnet Handline	5	8%	5 6	0	5 6	100%	0	0%	0
	Pananaogan, Bato, Catanduanes Buena Suerte, Nabas	Ringnet	- 4 1	14%	8	8	8	100%	8	100%	132
	Buruanga, Aklan, Algeria Fishport	Danish Seine	3	10%	3	2	3	100%	2	100%	0
	Buruanga, Aklan, Algeria Fishport Buruanga, Aklan, Algeria Fishport	Drift gillnet Hook & Line	180 10	49% 7%	2,485 23	161 0	2,484	100%	160 0	100%	369 1
	Buruanga, Aklan, Algeria Fishport Buruanga, Aklan, Algeria Fishport	Otushi Ami Ringnet	10	8% 7%	22 11	1 4	22 11	100%	1 4	100%	0
	Buruanga, Aklan, Algeria Fishport	Troll line Bagnet	2	3%	7 110	0 12	7 110	100%	0 12	0%	0 774
	Dumatad & Jawili, Tangalan, Aklan Dumatad & Jawili, Tangalan, Aklan	Beach seine	14	12%	29	1	29	100%	1	100%	0
	Dumatad & Jawili, Tangalan, Aklan Maybato North/San Angel, San Jose	Hook & Line Hook & Line	8 27	23%	98 44	1 152	98 44	100%	1 152	100%	0 361
	Maybato North/San Angel, San Jose Maybato North/San Angel, San Jose	Jigger Multiple Hook & Line	7 20	11%	10 27	2 34	10 27	100%	2 34	100%	0 301
	Maybato North/San Angel, San Jose	Purse seine Ringnet	19 37	21%	30	28 145	30 229	100%	28	100%	0 233
	Maybato North/San Angel, San Jose Maybato, San Jose, Antique	Hook & Line	16	13%	26	1	26	100%	1	100%	0
	Maybato, San Jose, Antique Talisayan, Aninii-y, Antique	Multiple Hook & Line Drift gillnet	63 19	53% 16%	216 35	36 2	216 32	100% 91%	36 2	99%	581 0
	Talisayan, Aninii-y, Antique Talisayan, Aninii-y, Antique	Hook & Line Multiple Hook & Line	198 67	54%	1,550 348	138 28	1,545 346	100%	136 27	99%	7 0
8	Ngolos, Guiuan, E. Samar Sabang 1, Borongan, E. Samar	Hook & Line Hook & Line	96 124	29%	1,560 1,199	129 55	1,557 1,196	100%	67 55	52% 100%	3,637
	Sabang 1, Borongan, E. Samar	Troll line	50	14%	100	16	100	100%	16	100%	1,179
	Sabang 2, Borongan, E. Samar Sabang 2, Borongan, E. Samar	Hook & Line Troll line	119 47	33% 13%	1,123 86	54 16	1,122 86	100%	54 16	100%	4,199 526
	Sapao Beach, Guiuan, E. Samar Sapao Beach, Guiuan, E. Samar	Hook & Line Troll line	99	30%	847 4	15 0	847	100%	15 0	100%	2,680 0
11	Aplaya, Digos City Aplaya, Digos City	Bottom set gillnet Handline	37 32	24%	65 106	0 2	63 106	97%	0 2	99%	0 12
	Aplaya, Digos City	Multiple Hook & Line	5	5% 19%	6	Θ	6	100%	0	0%	0
	Aplaya, Digos City Aplaya, Digos City	Scoop net Troll line	29 15	6%	86 17	0	86 16	94%	0	90%	0
	Aplaya, Abuno Aplaya, Abuno	Botton set gillnet Bottom set longline	1 26	3% 17%	1 70	0	1 70	100%	0	99%	0
	Aplaya, Abuno Aplaya, Abuno	Drift gillnet Handline	3 66	5% 18%	3 299	0 5	3 299	100%	0 5	0%	0
	Aplaya, Abuno	Multiple Hook & Line	1	3 %	1	0	1	100%	0	0 %	0
	Aroma, Lupon Bais, Govvernor, Generoso	Handline Handline	7 42	23%	15 191	1	15 191	100%	1 17	100%	15 233
	Bitaug, Sta. Cruz Cebulida	Handline Handline	57 6	17% 7%	267 20	6 2	267 20	100%	6 2	100%	345 57
	Jamboree A Mandalihan	Handline Handline	33 24	15%	135 40	6	135	100%	6	100%	136 55
	Poblacion Kinanga 1 Poblacion Kinanga 1	Handline Multiple Hook & Line	66	22%	313	7	312	100%	7	99%	69
	Poblacion Kinanga 2	Handline	6 64	21%	10 291	13	10 291	100%	13	100%	0 82
	Poblacion Kinanga 2 Sabang Malita	Multiple Hook & Line Handline	1 75	4% 22%	1 200	9	200	100%	9	100%	0 159
	Sabang Malita Sabang Malita	Multiple Hook & Line Troll line	19	8%	116 5	1	116 5	100%	0	98%	919 3
	Talucanga	Handline Hoook & Line	43	14%	183	10	183	100%	3	100%	0
	Talucanga Tibanban	Handline	49	6% 16%	80	0	80	100%	4	100%	0
12	Tibanban M-1, GSCFPC	Ringnet Handline	125	34%	785	2,244	642	100%	1,760	100% 78%	37,163
	M-3, GSCFPC M-3, GSCFPC	Purse seine Ring net	70 113	19% 31%	151 677	2,435 6,918	48 106	32% 16%	763 1,406	31%	19,522 47,205
CARAGA	Bislig Port Bislig Port	Handline Hook & Line	1 5	3% 17%	1 5	7 21	1 5	100%	7 21	100%	33 46
	Bislig Port	Troll line	1	3 %	2	1	2	100%	1	100%	0
	Manggagoy Bislig City Manggagoy Bislig City	Handline Hook & Line	82 15	38% 50%	109 26	346 74	109 26	100%	344 72	97%	2,536 325
	Manggagoy Bislig City Manggagoy Bislig City	Ringnet Troll line	2 110	3% 40%	2 179	19 70	2 179	100%	19 70	100%	66 1,334
	Santan, Bungtod, Surigao del Sur Santan, Bungtod, Surigao del Sur	Gillnet Multiple Hook & Line	17 27	9% 15%	50 101	6	50	100%	6	100% 97%	0 468
	Santan, Bungtod, Surigao del Sur	Handline	36	24%	175	3	172	98%	3	98%	159
	Santan, Bungtod, Surigao del Sur Unidad_Aras-Asan, Surigao del Sur	Troll line Gillnet	190 119	52% 49%	2,291 352	80 34	2,256 347	98%	79 33	99%	4,484
	Unidad_Aras-Asan, Surigao del Sur Unidad_Aras-Asan, Surigao del Sur	Multiple Hook & Line Handline	25 9	21% 8%	42 14	2	42 14	100%	2	100%	102 50
APM	Unidad_Aras-Asan, Surigao del Sur Jolo, Sulu	Troll line Drift Gillnet	204 186	56%	1,236	150	1,226	99%	143	95%	3,739 6,820
ARMI	Jolo, Sulu	Hook & Line	37	10%	51	2	51	100%	2	100%	74
	Jolo, Sulu Jolo, Sulu	Multiple Hook & Line Ring net	3 124	5% 34%	442	0 499	4 439	99%	0 494	99%	55 2,171
	Tapian D.O.S. Maguindanao Tapian D.O.S. Maguindanao	Gillnet Multiple Hook & Line	80 110	22% 30%	149 650	3 25	147 650	99%	3 25	96%	463 1,864
Note:	Tapian D.O.S. Maguindanao January to December 2011	Ring net	2	3%	2	0	2	100%	0	100%	8

Note: January to December 2011 OMT = < 1MT

egion	Landing Center	Gear	Days Sampled	*	TOTAL UNI	MT	Trips	TOT2	AL SAMP	LED %	
1	Balaoi, Pagudpud, Ilocos Norte	Troll line	12	10%	72	0	72	100%	0	100%	76
	Balingasay, Bolinao, Pangasinan	Hook & Line	13	11%	28	0	28	100%	0	100%	180
	Balingasay, Bolinao, Pangasinan Cato, Infanta, Pangasinan	Multiple Hook & Line Tuna Drift Longline	6 27	19%	14 74	0 22	14 74	100%	0 22	100%	43 2,529
	Gaang, Currimao, Ilocos Norte	Multiple Hook & Line	9	18% 29%	107	1	106	99%	1	100%	502
	Gaang, Currimao, Ilocos Norte	Troll line	7	12%	64	0	64	100%	0	100%	270
	Gabu, Laoag City	Multiple Hook & Line	9	29%	104	2	104	100%	2	100%	1,069
	Gabu, Laoag City Gabu, Laoag City	Ringnet Troll line	2 21	7% 17%	10 242	1 4	10 242	100%	1	100%	56 539
	Luciente 1, Bolinao, Pangasinan	Purse seine	16	11%	17	33	17	100%	33	100%	155
	Paringao, Bauang, La Union	Handline	14	15%	32	0	32	100%	0	100%	47
	Paringao, Bauang, La Union	Multiple Hook & Line	5	5%	10	0	10	100%	0	100%	50
	Pasaleng, Pagudpud, Ilocos Norte	Baby Ringnet Beach seine	4	4% 3%	6 1	3	6 1	100%	3	100%	32 9
	Pasaleng, Pagudpud, Ilocos Norte Pasaleng, Pagudpud, Ilocos Norte	Troll line	16	11%	121	1	120	99%	1	99%	119
	Petal, Dasol, Pangasinan	Drift gillnet	33	22%	115	2	115	100%	2	100%	411
	Petal, Dasol, Pangasinan	Multiple Hook & Line	1	3%	2	1	2	100%	1	100%	22
	Pilar, Sta. Cruz, Ilocos Sur	Hook & Line	37	24%	368	7	367	100%	6	88%	822
	Pilar, Sta. Cruz, Ilocos Sur Poblacion 1, Pagudpud, Ilocos Norte	Multiple Hook & Line Beach seine	5 1	16% 3%	32 1	0	32 1	100%	0	100%	267 9
	Poblacion 1, Pagudpud, Ilocos Norte	2 Boat Troll Line	10	16%	31	0	31	100%	0	100%	102
	Poblacion 1, Pagudpud, Ilocos Norte	Troll line	34	22%	291	2	291	100%	2	100%	291
	Puro, Magsingal	Hook & Line	7	8%	23	0	23	100%	0	100%	163
	San Lorenzo Abaca, Bangui, Ilocos Norte San Lorenzo Abaca, Bangui, Ilocos Norte	Beach seine Troll line	1 2	3% 7%	2	0	2	100%	0	100%	23 12
	San Nicolas, West Agoo, La Union	Hook & Line	5	16%	43	0	43	100%	0	100%	41
	San Pedro, Narvacan, Ilocos Sur	Bottom set gillnet	6	19%	40	0	40	100%	0	100%	922
	San Pedro, Narvacan, Ilocos Sur	Hook & Line	33	22%	91	1	91	100%	1	98%	353
3	Calibungan	Handline	30	20%	444	8	75	17%	2	21%	400
	Calibungan Masinloc Fishport	Ringnet Handline	14 25	10%	24 167	172 5	19 128	78% 77%	129 4	73% 77%	830 644
	Matalvis & Balogo Fishport	Purse seine	23	15%	36	145	30	83%	119	82%	1,881
	Subic Fishport	Multiple Hook & Line	59	32%	727	268	366	50%	136	51%	3,157
	Subic Fishport	Purse seine	15	8%	19	90	19	100%	90	100%	613
4	Brgy Bagong Silang	Hook & Line	8 32	9%	13 74	3	13 74	100%	3	100%	66 138
	Brgy. Bagong Silang Brgy. Bancao bancao	Multiple Hook & Line Hook & Line	32 28	18%	163	29	162	100% 99%	29	98%	138 574
	Brgy. Matahimik Fishport	Hook & Line	29	16%	75	25	75	100%	25	100%	311
5	Batalay, Bato, Catanduanes	Beach seine	2	6%	2	0	2	100%	0	100%	4
	Batalay, Bato, Catanduanes	Hook & Line	1	3%	1	0	1	100%	0	100%	0
	Batalay, Bato, Catanduanes Cabugao, Bato, Catanduanes	Ringnet Beach seine	2	6% 3%	2	1	2	100%	1	100%	4 8
	Cabugao, Bato, Catanduanes Cabugao, Bato, Catanduanes	Drift gillnet	4	13%	5	0	5	100%	0	100%	13
	Cabugao, Bato, Catanduanes	Hook & line	3	10%	5	0	5	100%	0	100%	12
	Pananaogan, Bato, Catanduanes	Botton set gillnet	2	6%	2	0	2	100%	0	100%	2
	Pananaogan, Bato, Catanduanes	Handline	2	6%	2	0	2	100%	0	100%	0
6	Pananaogan, Bato, Catanduanes Buruanga, Aklan, Algeria Fishport	Ringnet Drift gillnet	5 96	16% 53%	1,426	84	1,425	100%	2 83	83% 99%	44 51
٠	Buruanga, Aklan, Algeria Fishport	Hook & Line	2	6%	4	0	4	100%	0	100%	0
	Buruanga, Aklan, Algeria Fishport	Multiple Hook & Line	13	21%	27	1	27	100%	1	100%	0
	Buruanga, Aklan, Algeria Fishport	Otushi Ami	25	14%	31	2	30	97%	1	74%	0
	Buruanga, Aklan, Algeria Fishport	Ringnet	5	8%	7	2	7	100%	2	100%	0
	Buruanga, Aklan, Algeria Fishport Talisayan, Aninii-y, Antique	Troll line Drift gillnet	4 21	4% 14%	21 31	0 2	21 31	100%	0	100%	0
	Talisayan, Aninii-y, Antique	Hook & Line	96	53%	475	63	475	100%	62	99%	126
	Talisayan, Aninii-y, Antique	Multiple Hook & Line	77	51%	311	21	310	100%	21	100%	0
8	Ngolos, Guiuan, E. Samar	Hook & Line	56	31%	1,212	56	1,128	93%	52	93%	1,522
	Sabang 1, Borongan, E. Samar Sabang 1, Borongan, E. Samar	Hook & Line Troll line	62 26	34%	483 46	22 12	483 46	100%	22 12	100%	2,064 401
	Sabang 2, Borongan, E. Samar	Hook & Line	60	33%	566	32	565	100%	32	100%	2,292
	Sabang 2, Borongan, E. Samar	Troll line	21	12%	33	8	33	100%	8	97%	120
	Sapao Beach, Guiuan, E. Samar	Hook & Line	56	31%	508	12	507	100%	11	100%	1,092
11	Aplaya, Digos City	Handline	5	8%	6	0	6	100%	0	100%	0
	Aplaya, Digos City	Troll line Handline	2 15	6% 16%	2 34	0 2	2 34	100%	0	100%	0
	Aplaya, Abuno Aroma, Lupon	Handline Handline	15	16% 7%	12	0	12	100%	0	100%	14
	Bais, Govvernor, Generoso	Handline	37	24%	145	12	145	100%	12	100%	231
	Bitaug, Sta. Cruz	Handline	23	15%	71	2	69	97%	2	100%	132
	Cebulida	Handline Handline	3	3%	6	1	6	100%	1	100%	0
	Jamboree A Mandalihan	Handline Handline	5 19	8% 13%	33 39	1 2	33 37	100% 95%	1 2	100% 94%	29 43
	Poblacion Kinanga 1	Handline	34	22%	114	4	114	100%	1	100%	18
	Poblacion Kinanga 2	Handline	26	17%	80	3	79	99%	3	99%	7
	Poblacion Kinanga 2	Multiple Hook & Line	1	3%	1	0	1	100%	0	100%	0
	Sabang Malita Sabang Malita	Handline	34 5	22% 8%	82 24	4	82 24	100%	4	100%	87 125
	Sabang Malita Talucanga	Multiple Hook & Line Handline	22	8% 14%	24 79	4	24 79	100%	4	99%	125
	Tibanban	Handline	14	12%	14	1	14	100%	1	100%	0
	Tibanban	Ringnet	1	3%	1	0	1	100%	0	100%	0
12	M-1, GSCFPC	Handline	61	34%	324	872	289	89%	762	87%	13,820
	M-3, GSCFPC M-3, GSCFPC	Purse seine Ring net	3 22	3% 24%	8 104	121 1,363	3 22	38%	103 329	85% 24%	780 9,264
RAGA	M-3, GSCFPC Manggagoy Bislig City	Handline	8	9%	8	1,363	8	100%	329	100%	78
	Manggagoy Bislig City	Multiple Hook & Line	54	36%	74	412	74	100%	408	99%	2,165
	Manggagoy Bislig City	Troll line	45	30%	77	20	77	100%	20	100%	715
	Santan, Bungtod, Surigao del Sur	Gillnet	5	6%	6	1	6	100%	1	67%	0
	Santan, Bungtod, Surigao del Sur	Multiple Hook & Line Handline	17 15	27% 25%	48 38	1	48	100%	1	94%	25 20
	Santan, Bungtod, Surigao del Sur Santan, Bungtod, Surigao del Sur	Troll line	92	25% 61%	1,135	42	38 1,116	98%	41	91%	1,844
	Unidad_Aras-Asan, Surigao del Sur	Gillnet	83	55%	282	32	282	100%	31	97%	1,844
	Unidad_Aras-Asan, Surigao del Sur	Hook & Line	35	23%	82	8	82	100%	8	100%	175
	Unidad_Aras-Asan, Surigao del Sur	Multiple Hook & Line	18	12%	24	5	22	92%	4	90%	69
	Unidad_Aras-Asan, Surigao del Sur	Troll line	96	63%	645	66	645	100%	65	99%	1,566
ARMM	Jolo, Sulu Jolo, Sulu	Drift Gillnet Hook & Line	107 6	59% 19%	277 14	359 1	277 14	100%	358 1	100%	2,177 35
	Jolo, Sulu	Multiple Hook & Line	15	10%	21	2	21	100%	2	100%	176
	Jolo, Sulu	Ring net	54	30%	172	463	172	100%	463	100%	1,207
					94	2	94	100%	2	99%	0.00
	Tapian D.O.S. Maguindanao Tapian D.O.S. Maguindanao	Gillnet Multiple Hook & Line	44 56	24%	361	8	361	100%	8	100%	268 875

Note: January to June 2012 OMT = < 1MT

**Annex 2**. Summary of Project Activities and Budget for 2010 to June 2012

		D . 1	Budget (US\$)		g 10
	Activity	Period	Donors Phil-Co-Finar		Status / Outputs
1	Port Sampling in the Philippines	1 January to 31 December 2010	38,588	100,000	* 20 enumerators hired; port sampling data collected
2	Tuna Identification Training for BAS key data informants in Puerto Princesa City, Palawan, Philippines	24 - 26 February 2010		11,000	* 25 BAS key data informants trained; tuna posters distributed
3	Port Sampling Data Review Workshop at NFRDI Conference Room, Quezon City, Philippines	13-14 May 2010		2,000	* Workshop report produced
4	2nd Philippines/WCPFC Annual Tuna Fisheries catch Estimates Review at BFAR Conference Room, Quezon City, Philippines	17 - 18 May 2010	10,830	2,500	* Workshop report produced
5	3rd Philippines/WCPFC Annual Tuna Fisheries Catch Estimates Review at Eurotel, Quezon City, Philippines	19-Nov-10		1,000	* Workshop report produced
6	Logsheets implementation	January - December 2010	1,000	1,000	* Logsheets data collected; summary report produced included in WPEA progress report
7	Printing & distribution of observer references	May & October 2010	1,000	4,000	* Printing and distribution of observer manual during observer training financed by Philippine Government through BFAR
8	Participate to SAW and EMAW 2010	14 - 21 June 2010	6,000		* Report produced
9	Coordination of tuna tagging activities	January - December 2010	1,000	1,000	* Tagging posters printed and dsitributed; tagging rewards paid to respective tag finders for each recovered tag; around 1,515 tags recovered for 2010
10	Coordination of tuna data research	January - December 2010	1,000	1,000	* Continued collaboration on the exchange of tuna data and research innitiatives with different agencies and organizations
11	National Stock Assessment Workshop	16 - 18 December 2010	5,650	6,000	* Workshop report produced
12	Centralized Database System	December 2010	6,000		* Equipments purchased
13	Policy, Legal & Institutional (PLI) Workshop	16 - 17 November 2010	8,700	3,000	* Workshop report produced; PLI consultancy report produced including checklist (preliminary)
14	Development of WPEA website	October - December 2010	9,300	1,000	* WPEA website incorporated in the NFRDI website (in progress)
					http://www.nfrdi.da.gov.ph/P-WPEA.html
15	Updating of National Tuna Management Plan (NTMP)	November 2010	3,200	1,500	* In progress of completing the updated NTMP; Workshop report produced
16	Continued Port Sampling Implementation	January - December 2011	65,760	100,000	* 20 enumerators hired; continue port sampling data collection
17	Port Sampling Data Review Workshop at NFRDI Conference Room, Quezon City, Philippines	12 - 13 May 2011	2,550	1,500	* Workshop report produced
18	4th Philippines/WCPFC Annual Tuna Fisheries catch Estimates Review at BFAR Conference Room, Quezon City, Philippines	16 - 17 May 2011	2,550	1,500	* Workshop report produced

	Austratus	Budget (US\$)			Status / Outracts		
	Activity	Activity Period Donors Phil-Co-Finance		Phil-Co-Finance d	Status / Outputs		
19	Continued coordination of tuna tagging activites	January - December 2011	1,080	1,000	* Continued printing and distribution of tagging posters; continue to pay tagging rewards to respective tag finders for each recovered tag1,515 tags recovered for 2010 and 794 tags recovered for 2011		
20	Participate in the Tuna Data Workshop (TDW5)	18 - 22 April 2011	4,000		* Report produced		
21	Participate in the Stock Assessment Workshop (SAW)	26 June - 5 July 2011	4,000		* Report produced		
22	Review of National Tuna Industry Council Functions	October - December 2011	3,200	1,000	* Consultancy report produced		
23	Continuation of port sampling activities	January - December 2012	77,760	100,000	* On-going		
24	Continue collaboration with the Pacific tuna tagging activity	January - December 2012	2,580	2,000	* Tagging posters printed and distributed; tagging rewards paid to respective tag finders for each recovered tag		
25	Fifth PH/WCPFC Annual Tuna Catch Estimates Review Workshop and 3rd WPEA – NSAP Catch Estimates Review Workshop	14- 18 May 2012	5,100	6,000	* Workshop reports produced		
26	A field study for the compilation of catch information at landing sites to improve the municipal "small tuna" hook-and-line annual catch estimates	April - June 2012	8,000	2,000	* Report produced		
27	Continue Logsheets Awareness	January - December 2012	2,670	2,000	* On-going; preliminary report produced		
28	National Tuna Data Inventory and Tuna Research Inventory	April - June 2012	1,000	1,000	* Data and research inventory produced		
29	Participate in the Tuna Data Workshop (TDW6)	23 - 27 April 2012	4,000		* Travel report produced		
30	Policy, Legal and Institutional (PLI) Review Workshop including updates on PLI issues, National Tuna Management Plan (NTMP), National Tuna Industry Council (NTIC) functions, National Tuna Fishery Profile (NTFP), Implementation Manual on WCPFC – Conservation and Management Measures (CMMs) and other WCPFC Concerns	May 28 - 30, 2012	6,460	5,000	* PLI Review Workshop report produced; NTMP updated; NTIC report revised/updated; Draft NTFP produced		
31	Philippine Fisheries Observer Debriefers Training Course-Workshop and printing of Observer Manuals	7 - 15 June 2012	6,944	5,000	* Training-Workshop report produced; 30 Debriefers trained; Observer Manuals (PS/RN/LL) produced		
	TOTAL		289,922	363,000			

## **Annex 3**. Revised Outline of the Philippine Tuna Fisheries Profile

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Include fisheries administrative regions

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  - 3.2.2.Ringnet
  - 3.2.3. Purse Seine
  - 3.2.4. Other Gears (HL, Troll line, etc)
- 3.3. Fishing Vessels
  - No. of vessels by fleet
- 3.4. Fishing Ground
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  - 3.4.3. Distant water fishery
  - 3.4.4. Fishing Season by fishing area
- 3.5. Catches and Unloadings
  - 3.5.1. Annual Catch
    - 3.5.1.1. Municipal
    - 3.5.1.2. Commercial
  - 3.5.2. Catch Composition
  - 3.5.3. Trends in Effort and Catch Rates

#### 4. Fisheries infrastructure

- 4.1. Fish Ports and service facilities
- 4.2. Processing plants (private)

## 5. Fisheries socio-economic characters and Marketing (c/o BFAR/NFRDI)

Include catch amount and economic market value

- 5.1 Municipal sectors
- 5.2 Commercial sectors including international trading statistics
  - 5.2.1 EEZ and territorial waters
  - 5.2.2 Distant water fisheries
- 5.2.3 Local and Foreign Trade

#### 6. Tuna Industry Profile

- 6.1. GenSan
- 6.2. Navotas
- 6.3. Others

# 7. Fisheries managements (c/o BFAR/NFRDI – PLI report)

- 7.1. Institutional arrangements and management
- 7.2. Legal framework
- 7.3. Management Plans
- 7.4. MCS Activities

# 8. International/Regional Tuna Management Organization

- 8.1. Member
  - 8.1.1. Western and Central Pacific Fisheries Commission (WCPFC)
  - 8.1.2.Indian Ocean Tuna Commission (IOTC)
  - 8.1.3. International Commission for the Conservation of Atlantic Tunas (ICCAT)

- 8.2. Co-operating non-member
  - 8.2.1. Commission for the Conservation of the Southern Bluefin Tuna (CCSBT)
- 8.3. Non-member
  - 8.3.1.Inter-American Tropical Tuna Commission (IATTC)
- 9. Tuna Statistics and Research Activities
  - 8. 1 Data collection port sampling, logbook, etc.
  - 8.2 Fisheries research
    - MV DA-BFAR and Observer Reports
    - Academic Researches
- 10. Issues, Concerns and Challenges

References Annexes

Annex 4. Documentation of WPEA – OFM Project activities





Port Samplers based in Region 12: General Santos City Fish Port Complex





Gathering of data and conduct of interviews in Region 8: Eastern Samar





Participants of 2012 Annual Tuna Catch Estimates Review Workshops