

**REBYC II – CTI Project (GCP/RAS/269/GFF)**  
**Review Workshop on the Inventory of Trawl and Other Gears in Samar Sea**  
RFTC8, SSU Campus, Catbalogan City  
22-25 October 2013

## **Summary Report**

- 1) The review workshop was organized mainly to review data collected during the inventory of trawl and other gears in Samar Sea as baseline information for the implementation of REBYC II CTI Project in Samar Sea as the pilot site.
- 2) The workshop was attended by fisheries staff of the participating cities and municipalities bordering Samar Sea who were in charge of the inventory in their respective areas. Participants are listed in Appendix I.
- 3) A seminar workshop was also conducted in June 27-29, 2013 to prepare for the conduct of the inventory.

### **Workshop**

- 4) The first day of the workshop was devoted to preparation/checking of inventory forms and preparation of presentations/reports.
- 5) In his welcome remarks, the Chair of the Project TWG recalled the conduct of the preparatory workshop in June 27-29, 2013 where the participating local government units were tasked to conduct the inventory in their respective areas. It was agreed that the inventory would not only cover trawl which was the main concern of the project but also include other fishing boats and gears. He highlighted the importance of this basic information not only for the project but also for other programs/project planning and implementation. He cited the just initiated FishR (Fisherfolk Registration) Project of BFAR which seeks to establish a national registry of fisherfolk for ready reference/database in government programs for the benefit of fisherfolk. He however further cited that this inventory is more comprehensive that include technical information on fisheries as compared to the fisherfolk registry where basic information is simply included. He thanked the participants for their efforts in the conduct of the inventory and in attending the workshop as he looked forward to active interaction and discussions among participants.
- 6) Mr. John Meniano, the Provincial Agriculture and Fisheries Council Coordinator and member of the project TWG introduced the participants of the workshop. He remembered that participants were mainly the same during the preparation in June 2013 with some LGUs who was not able to come and participate. He however mentioned that their reports have been submitted for consolidation.

- 7) The workshop agenda was presented by Mr. Napoleon S.J. Lamarca, the Project staff in charge of the inventory. He highlighted that as agreed during the preparatory workshop in June, LGUs are to conduct the inventory July-August and submit their outputs by end of September or October. He said that it was expected that every LGU is able to produce the list of fishermen and boats by barangay (village), enumeration of municipal and commercial trawl fishing boats and other fishing boats and gears and the profiles for commercial trawl were done using Form 1, municipal trawl using Form 2 and other gears using Form 3. Mr. Lamarca also made brief summary on basic classification or grouping of fishing gears in Samar Sea based on his observation.
- 8) Output presentations by the participating local government units (LGUs).
  - a. In behalf of Mevin Dicallos, Juan Meniano reported the inventory conducted in Almagro, He mentioned that the activity was conducted with the collaboration of the Office of the Provincial Agriculturist. He reported a total of 815 fishing bancas or boats 84% of which were motorized mainly with gasoline engines. There were 915 gears counted mainly multiple hook and lines and bottom set longlines comprising more than 80% of the fleet. There was no trawl nor any commercial fishing boats in the municipality.
  - b. Calbayog City. Mr. Marcos Sabido, technical staff in charge of fisheries from the City Agriculture Office 1365 municipal boats and 1942 with fishing gears mainly bottom set gillnet, hook and line, pots/ traps and bottom set longline. He also reported about 15 baby (municipal) trawl. Calbayog also hosts the most number of commercial boats (> 3 gross tons) with 34 boats of the total 82 commercial boats in Samar Sea. Of these, 17 units of commercial trawls mainly small commercial type were based in the City.
  - c. Catbalogan City is one of the largest, with 25 coastal barangays. The report did not include 6 barangays. A total of 999 boats were inventoried with 66% motorized. There were 61 municipal trawls (gasoline and diesel engines) and 6 commercial trawl reports. Main gear used by fishermen was crab pot with 48% of the total 2284 municipal gears counted. Other major gears were hook and line and multiple hook and line. Mr. Simon Conejos from the City Agriculture Office reported in behalf of his team (Mr. Edgardo Guya and CAO Ruth Dasal) and informed that they will provide with updates on the 6 barangays that were not covered so far.
  - d. Daram had the largest fleet with 2,452 fishing boats reported. The major fishing gears were gillnet, trammel net and hook and line. Baby trawl was also reported to be prevalent with about 157 boats using small gasoline engines.
  - e. There are 256 fishing bancas in the municipality of Gandara with bottom gillnet, fish corral and pots/traps as the main fishing gears. The municipality was the smallest in terms of the number of boats. There were no trawl or commercial fishing gears.

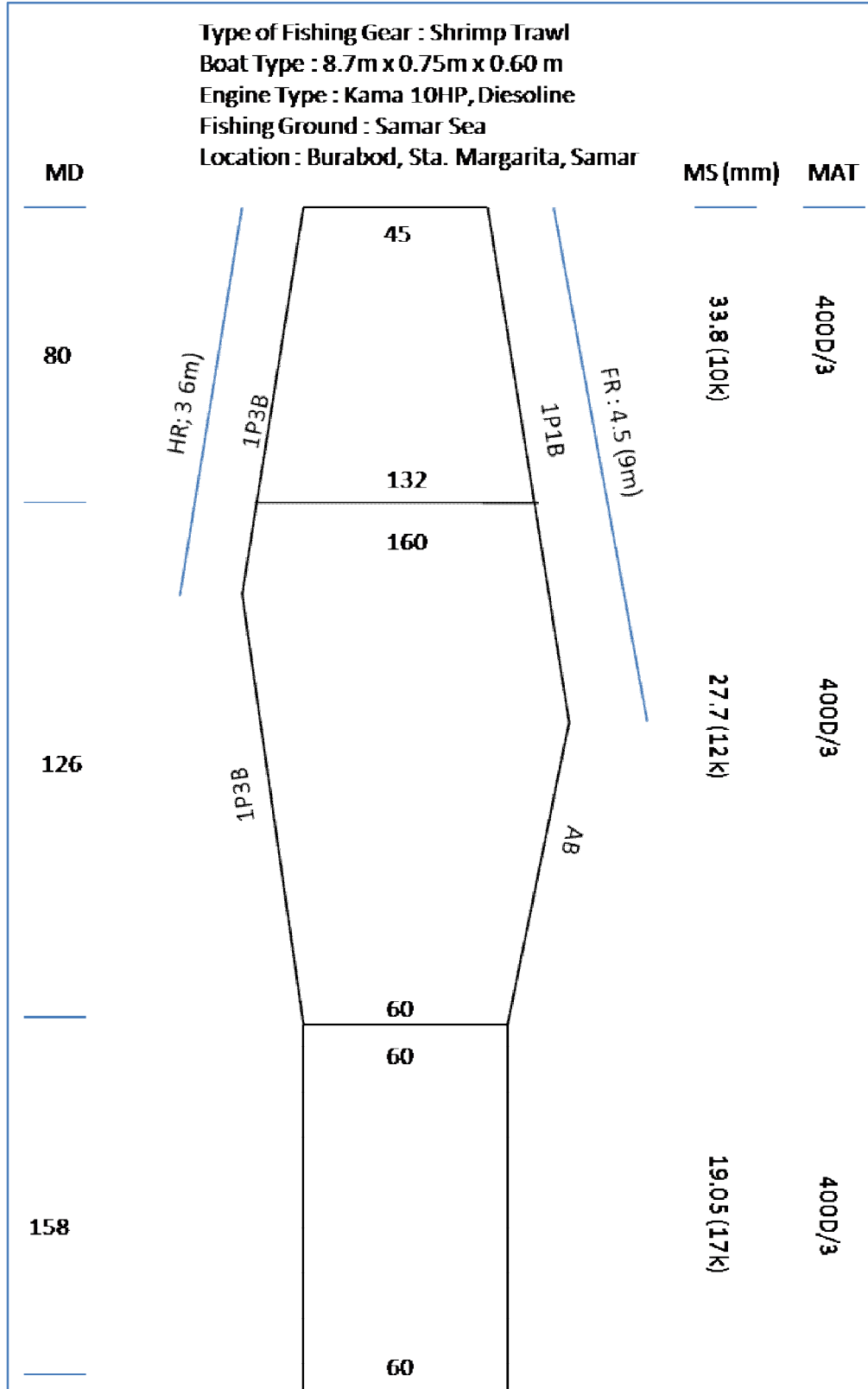
- f. The representatives from the municipality of Almagro and Pagsanghan were not able to attend, however Mr. John Meniano from the Office of the Provincial Agriculturist reported instead. Pagsanghan has 258 fishing bancas, only 35% of which were motorized. Main gears were gillnet, fish corral and traps/pots. No trawls or any commercial gears were used in the municipality.
  - g. There were 53 trawls in Sta Margarita, mainly using small boats powered by small gasoline engines. Other major municipal gears were gillnets, crab gillnet, shrimp gillnet, bottom set longline and push net. There was no reported commercial fishing boat.
  - h. Mr. Argie Muncada, Fisheries Technician from the island municipality of Sto. Nino, presented the inventory conducted in the municipality. There were 448 fishing bancas, 82% of which are motorized. Multiple hook and line (47%) was the most common fishing gear used. No trawl or any commercial boat was listed from the municipality.
  - i. The report of Mr. Gilbert Sarco, Fishery Technician from the island municipality of Tagapul-an indicated a total of 771 fishing boats with the majority (61%) were not motorized. There were 1101 fishing gears listed, most of which were multiple hook and line, troll line handline.
  - j. The municipality of Tarangnan is next to Daram in terms of number of bancas with a total of 1896 fishing bancas with the majority (63%) were motorized. It is also one of the municipalities with most trawl fleet with 319 listed as baby trawl, mainly boat using small gasoline/diesel engines. The major gears used were crab gillnet, hook and line and bottom set longline.
  - k. Mr. Alexandro Bitbit reported for the municipality of Zumarraga with 1442 municipal fishing bancas, almost half of it were motorized. There were 1211 gears counted in the municipality with bottom set gillnet and crab gillnet as most common. There were also 148 small engine trawlers reported.
- 9) In total, the 11 local government units (cities and municipalities) covered by the inventory had a total of 14,186 fishermen with 10,938 municipal fishing boats, 59% of which were motorized. There were also 13,889 sets/units of fishing gears with gillnets, bottom set longline, crab pot, multiple hook and line, crab entangling net, and hook and line. Trawl was still of considerable number at 753 municipal or baby trawl which is about 7% of the total number small scale (municipal) boats mainly from Tarangnan, Daram, Catbalogan, Sta margarita and Calbayog.
- 10) There were 82 units of commercial fishing boats mainly under small-commercial category (3.1-20 gt). Of these, 40 were trawls from Calbayog, Daram and Catbalogan. The other commercial gears were modified Danish seine and ringnet.

- 11) After the presentation by municipality, they were requested to review the accomplished inventory forms and encode in template provided to consolidate inventory data. Each municipality was guided/assisted by available researchers of MV DA-BFAR. All data forms were submitted to Mr. Napoleon Lamarca, the project inventory activity in charge for consolidation.
- 12) It was agreed that results of the inventory will be reported to the TWG meeting and also anticipated that the same will be reported to the Local Chief Executives during a consultation in early 2014.
- 13) As a final output, a Catalogue of Fishing Gears of Samar Sea will prepared and proposed for publication under the project in 2014.

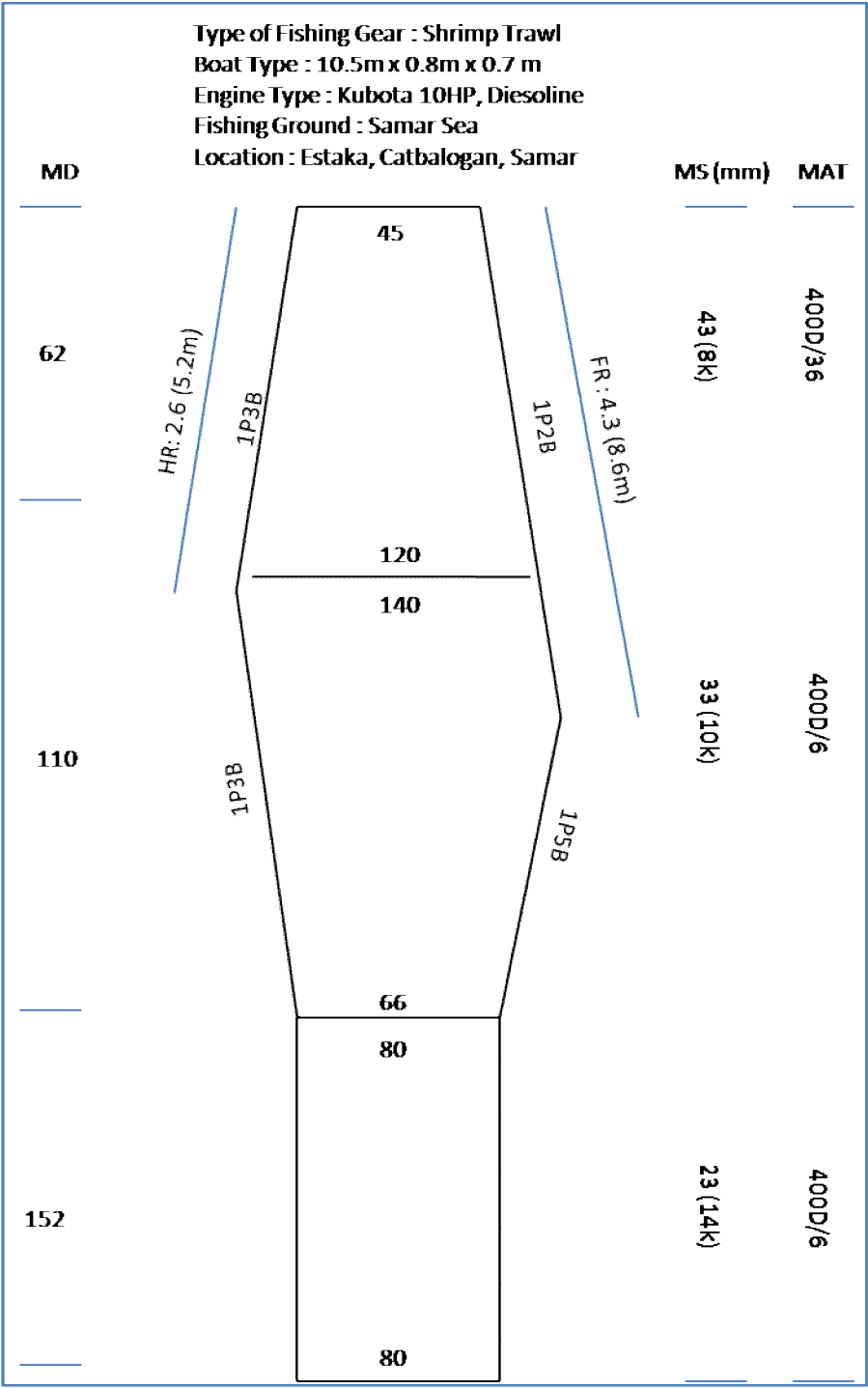
## APPENDIX I. SUMMARY OF THE INVENTORY FISHING BOATS AND GEARS, SAMAR SEA

City/ Municipality	No. of Fishermen	No. of boats (Motorized)	No. of boats (Non- Motorized )	Total Boats	Municipal																				Commercial														
					Beach seine	Fish corral	Squid Pot (Panggal pusit)	Crab Pot (Bintol, Panggal)	Fish pot/traps	Bottom set gillnet (palunod, palubog)	Drift gillnet (Barangayan, kurantay)	Encircling Gillnet (warlog)	Crab Entangling Net	Shrimp Entangling net (pamaayan)	Trammel Net (Tribol)	Hook & Line (kawil)	Bottom Set Longline (Kitang)	Multiple Hook & line (Undak)	Troll Line (Subid, Tapsay, lambo, rambo, pahawin)	Spear fishing (Pamana)	Modified Danish Seine (hulbot)	Squid jig (sanit)	Lift net (paarak, Sarap-sarap)	Ringnet (ligkop, tambogan, likos)	Bagnet (basnig)	Baby Trawl	Push net	Others	Total	Modified Danish Seine	Ringnet	Bottom Trawl	Total						
Almagro	815	684	131	815					0	37	2							248	424	49	32		123												915				0
Calbayog	1403	879	486	1365		51			348	425	131							408	271		132				60	2	15	99						1942	10	7	17	34	
Catbalogan	973	663	336	999			15	1102	15	210			129	126				235	78		77	94	124		18		61							2284			6	6	
Daram	4596	1196	1256	2452				68	32	947		45	95	26	406			199	39	106		4	125		1	67		157						2317	8	7	17	32	
Gandara	256	194	62	256		56			64	102									48															270			0		
Pagsanghan	258	67	191	258		117		20	99	166								80	18															500			0		
Sta Margarita	615	178	58	236				2	1	71	5		47	41					45								53	41	11				317			0			
Sto Nino	620	366	82	448				3	8	115	6								38	235	50	10			21	6						8	500			0			
Tagapul-an	906	300	471	771		2			0	68	16							153	82	404	285	91												1101		4	4		
Tarangnan	1896	1194	702	1896			5	42	3	79	763		109	557	43	32		328	225					25				319	2				2532			0			
Zumarraga	1848	703	739	1442		2			62	518			202		51				169			22	22		15		148						1211		6	6			
<b>TOTAL</b>	<b>14186</b>	<b>6424</b>	<b>4514</b>	<b>10938</b>	<b>4</b>	<b>229</b>	<b>57</b>	<b>1198</b>	<b>708</b>	<b>3422</b>	<b>160</b>	<b>154</b>	<b>1030</b>	<b>236</b>	<b>489</b>	<b>1403</b>	<b>1261</b>	<b>1169</b>	<b>384</b>	<b>368</b>	<b>241</b>	<b>272</b>	<b>22</b>	<b>166</b>	<b>2</b>	<b>753</b>	<b>142</b>	<b>19</b>			<b>13889</b>	<b>18</b>	<b>24</b>	<b>40</b>	<b>82</b>				

**APPENDIX II. FISHING GEAR DESIGN / ILLUSTRATION**



Type of Fishing Gear : Shrimp Trawl  
 Boat Type : 10.5m x 0.8m x 0.7 m  
 Engine Type : Kubota 10HP, Diesoline  
 Fishing Ground : Samar Sea  
 Location : Estaka, Catbalogan, Samar



MS (mm) MAT

400D/36

43 (8K)

400D/6

33 (10K)

400D/6

23 (14K)

MD

62

110

152

45

120

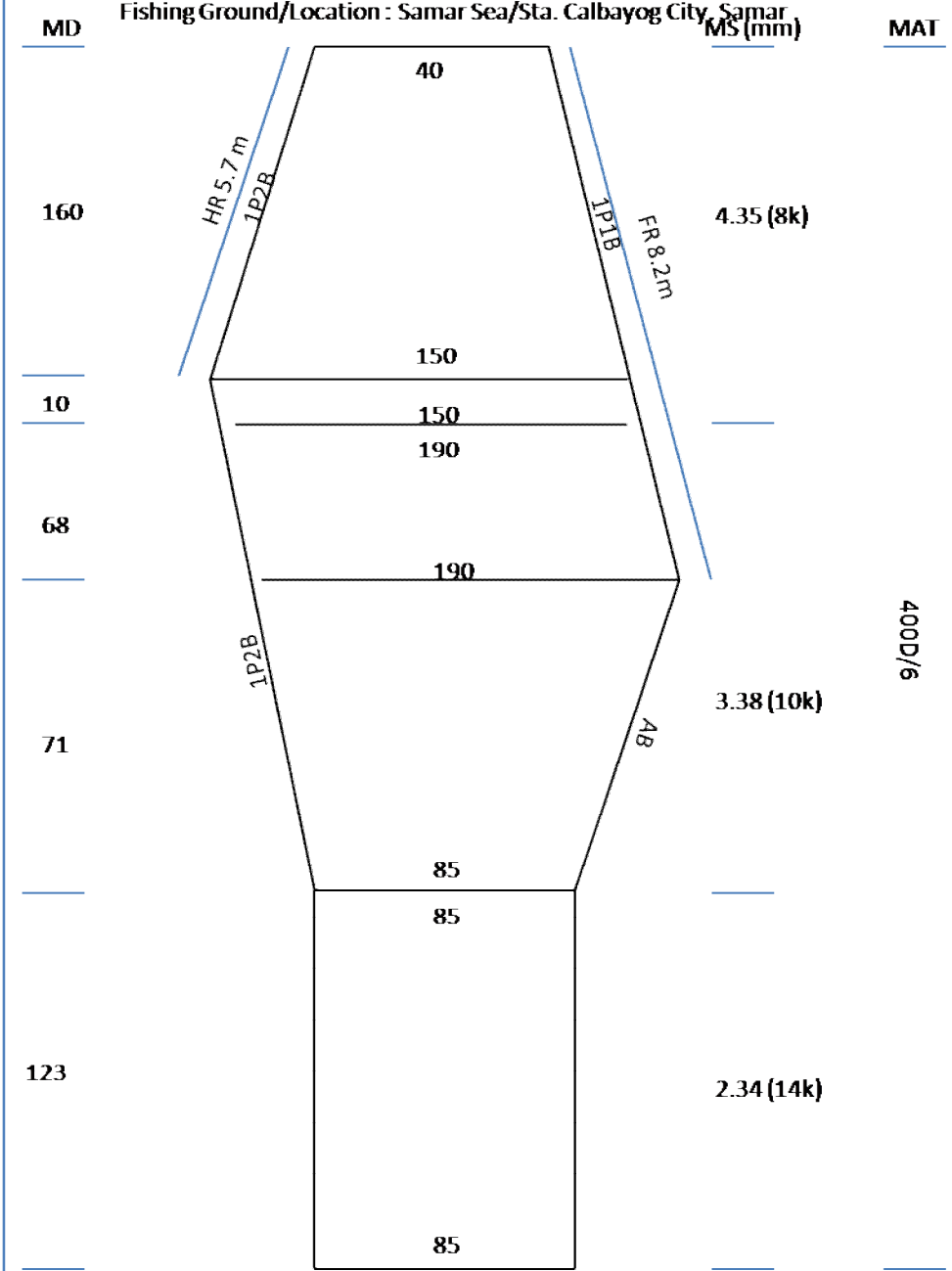
140

66

80

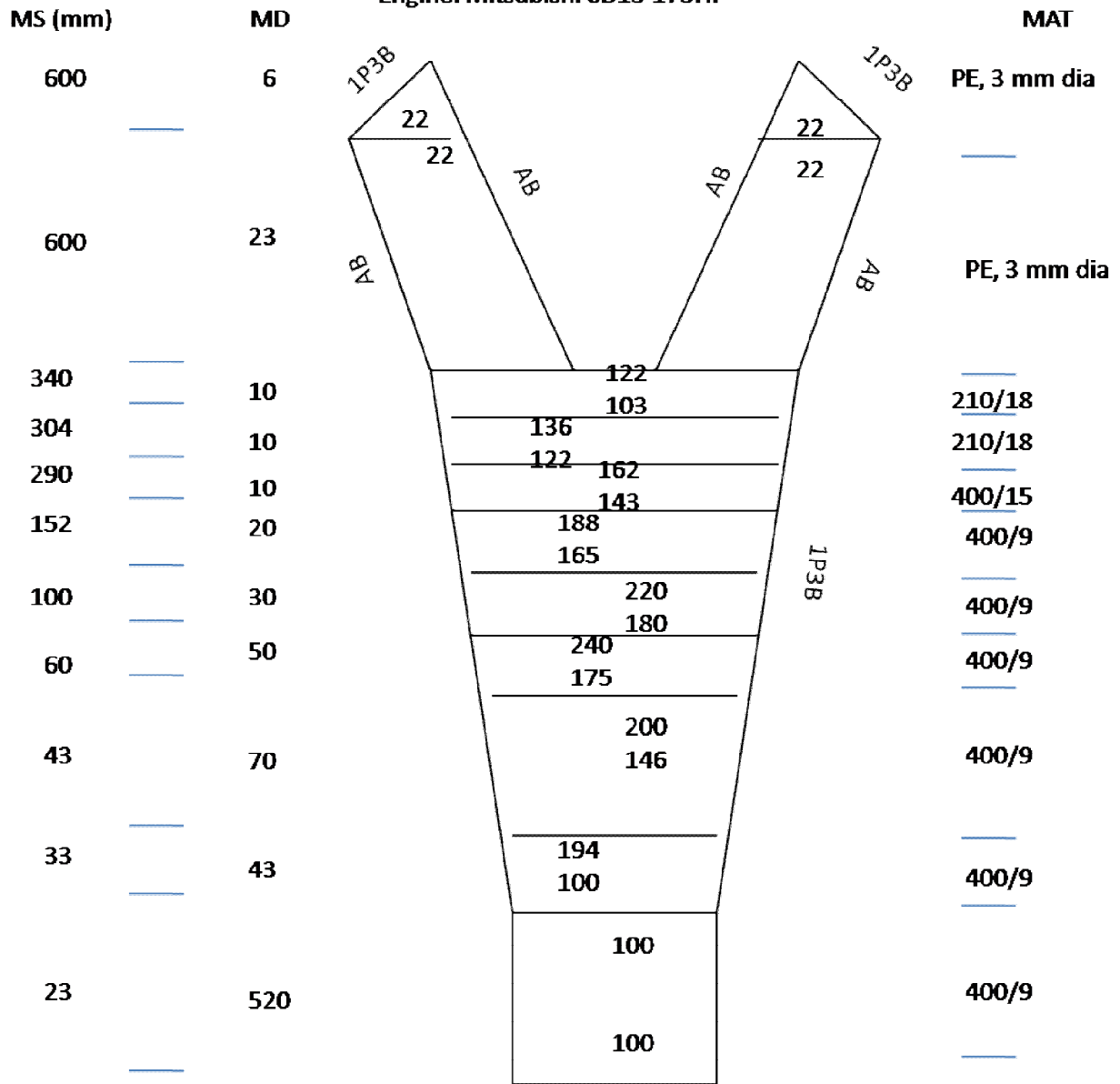
80

Type of Fishing Gear : Shrimp Trawl  
 Type of Fishing Boat : 14m x 1.0m x 0.90m  
 Type of Engine : Fuzo Canter (4DR5) 80 HP  
 Fishing Ground/Location : Samar Sea/Sta. Calbayog City, Samar

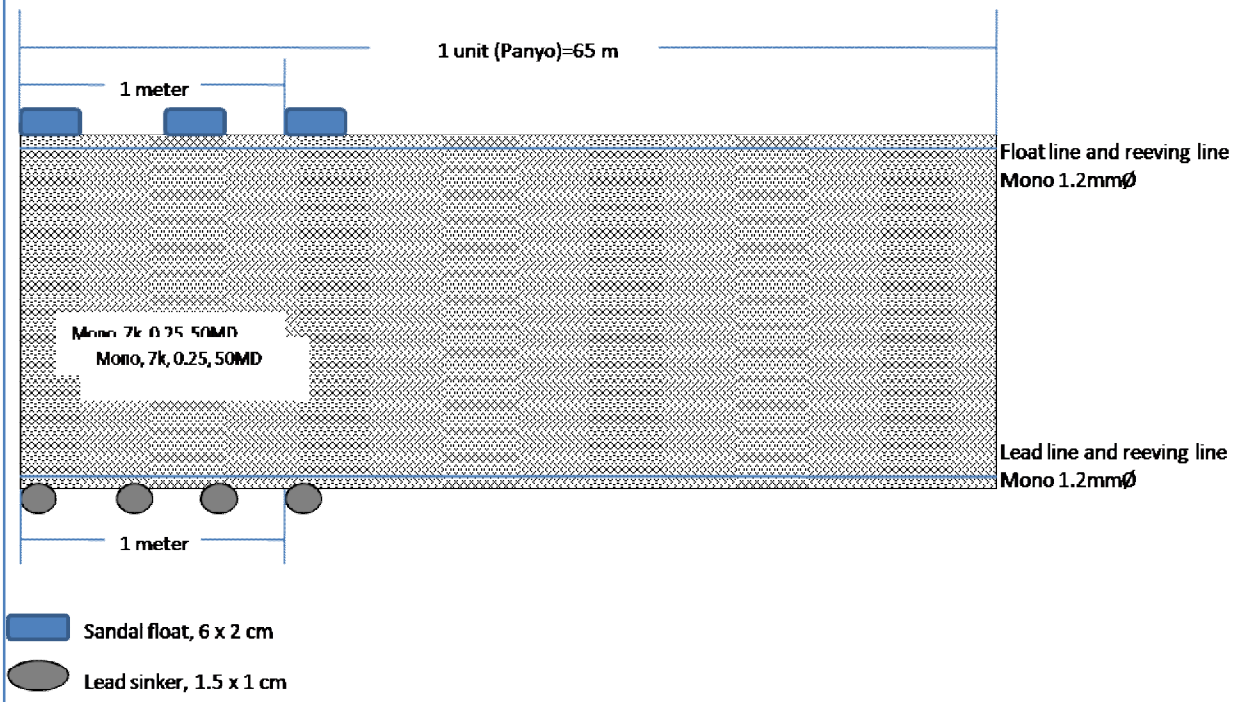




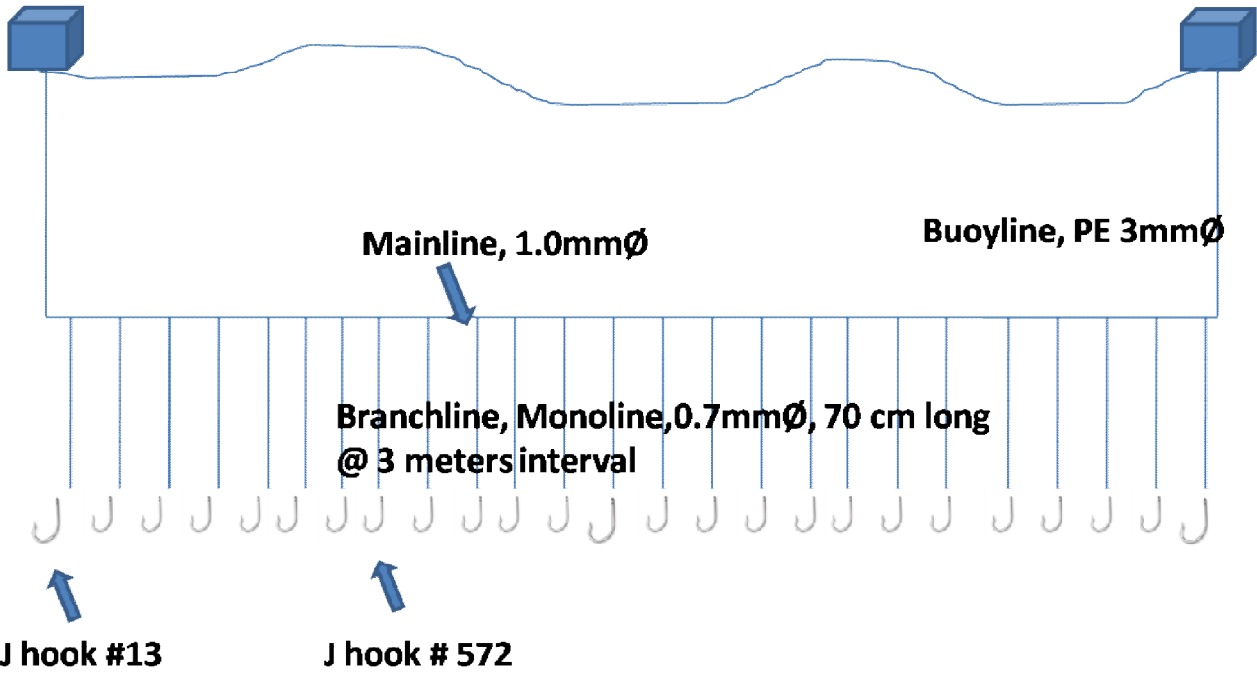
Type of Fishing Boat : Fish Trawl (Palupad)  
 Banca: TL 17m x 21.6 x TB 1.8m x TD 1.3 m  
 Engine: Mitsubishi 6D15 175HP



Bottom set gillnet (Palubog)  
Fishing boat: TL 7.92m x TB 0.62m x TD 0.57m  
Engine: Yamada 10 HP, Diesoline



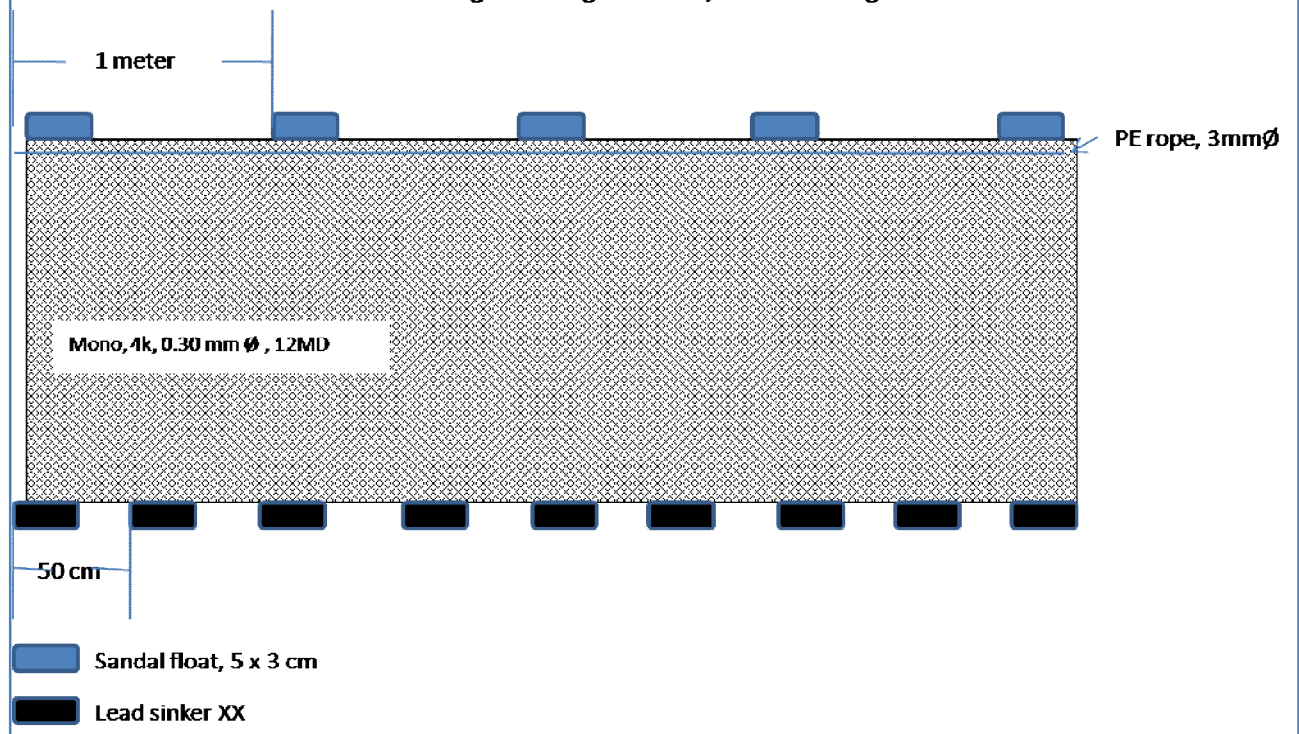
**Bottom set longline (Kitang)**  
**Fishing Boat: TL 7.6m x TB 0.62m x TD 0.63m**  
**Engine: Kenbo 6.5 HP, Gasoline Engine**



**Crab Gillnet (Pukot Pang-alimasag)**

Fishing boat: TL 8.5m x TB 0.72m x TD 0.55m

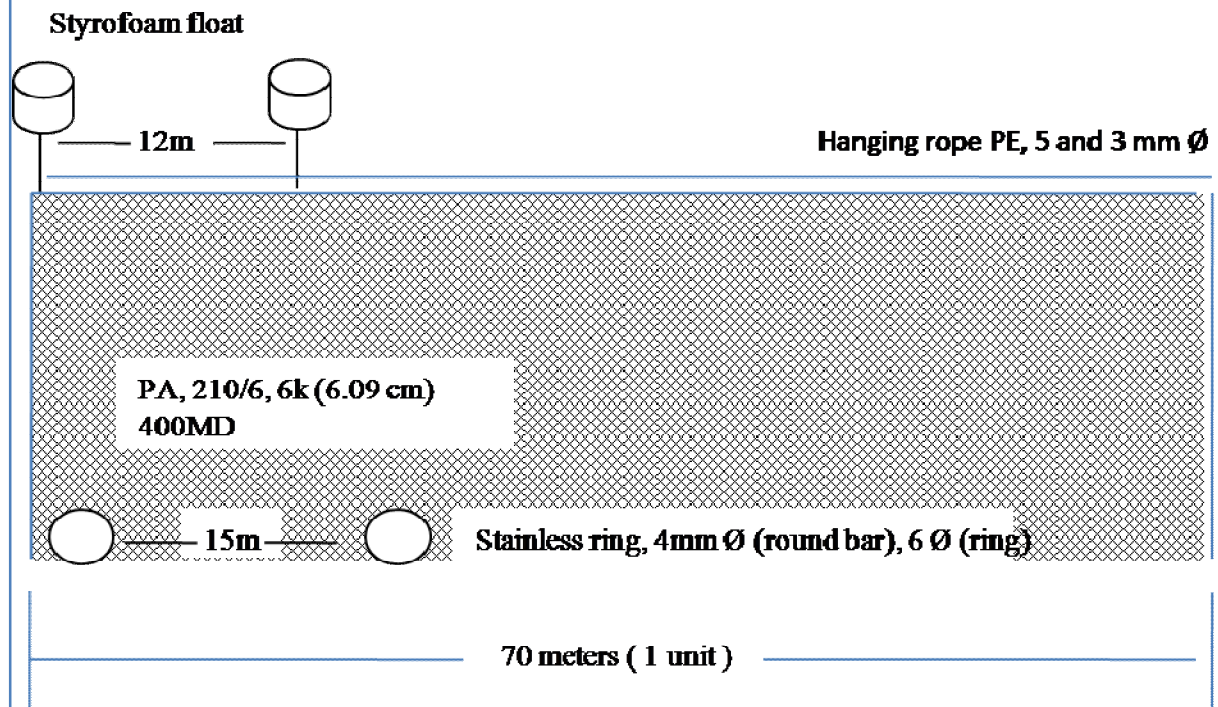
Engine: Vanguard 7HP, Gasoline engine



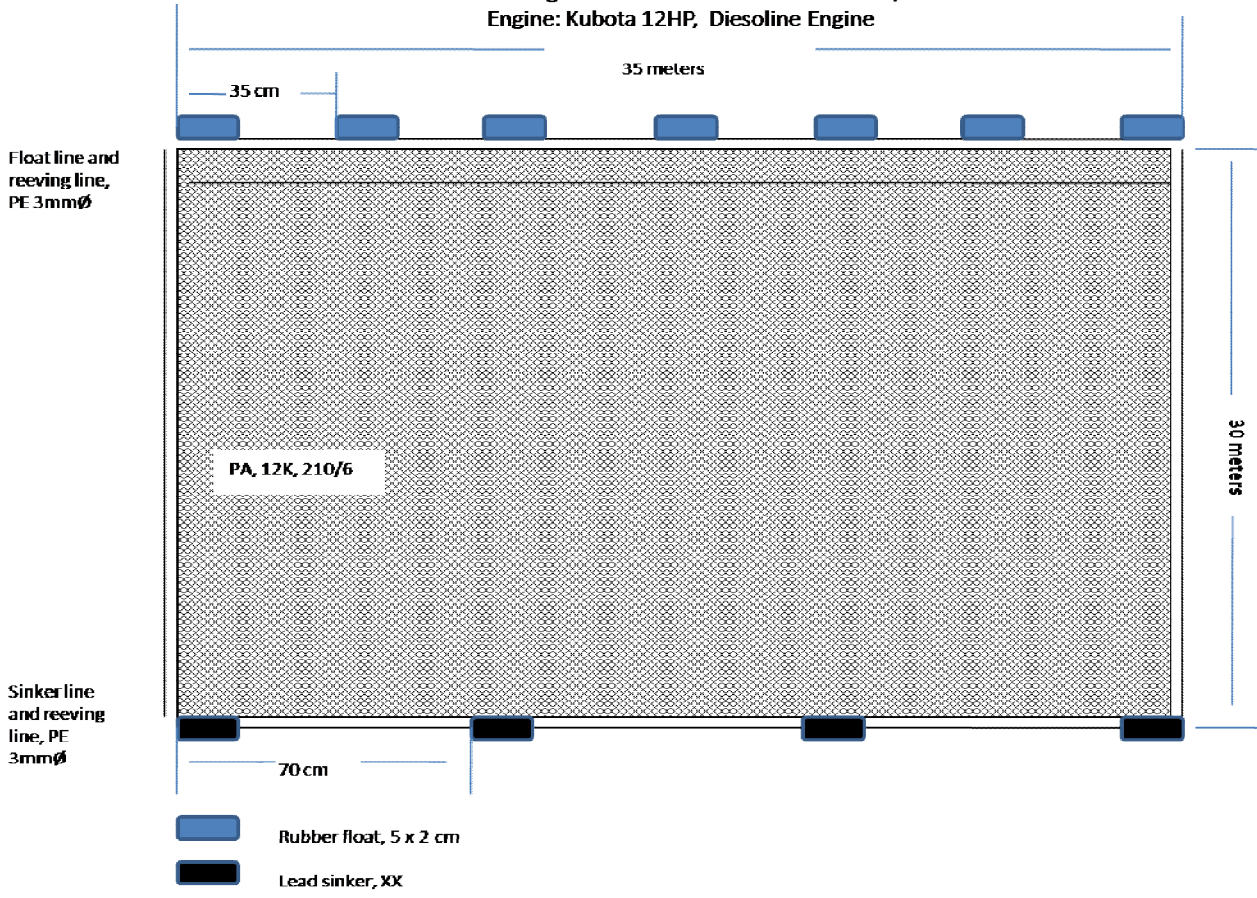
**Drift Gillnet (Barangayan)**

**Fishing Boat: TL 13.8m x TB 1.18m x TD 0.92m**

**Engine: Yama 12 HP, Diesoline Engine**



Gillnet (Largarete)  
Fishing boat: TL 7.01m x TB 0.58m x TD 0,58m  
Engine: Kubota 12HP, Diesoline Engine

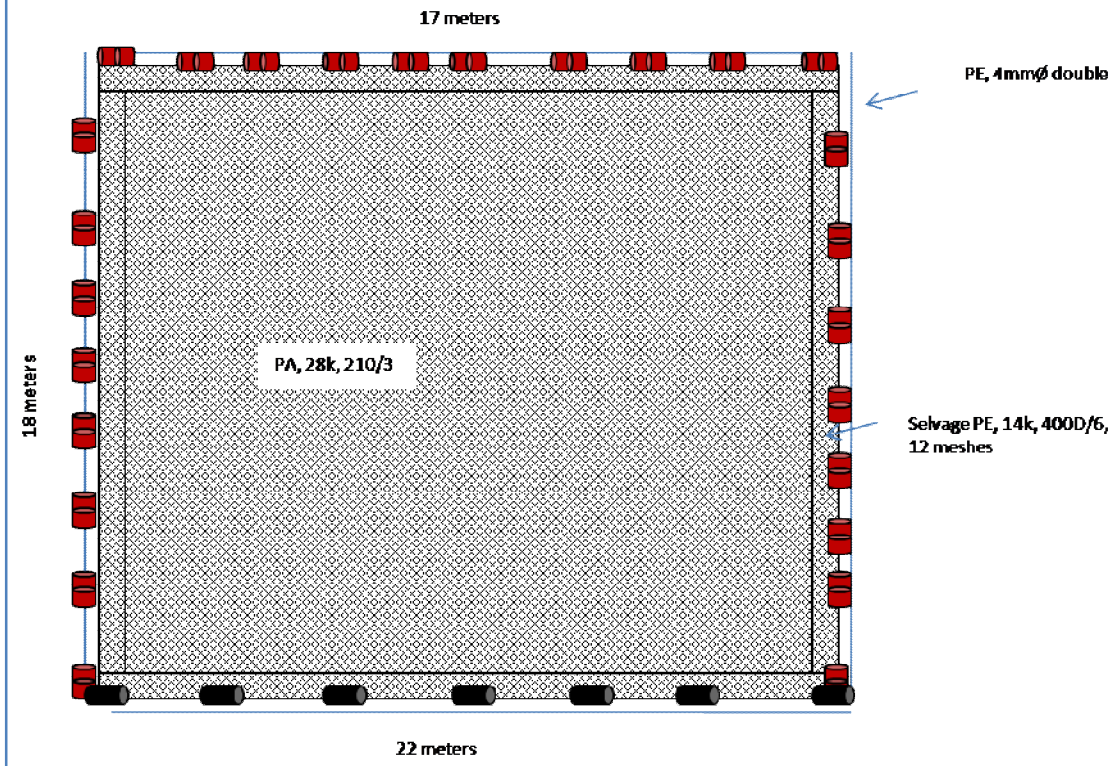


**Liftnet (Sarapsarap)**

**Fishing boat: TL 7.62m x TB 0.56m x TD 0.56m (0.6 GT)**

**Engine: Briggs and Stratton, 10HP Gasoline engine**

**Species caught: Sardines and Anchovies**



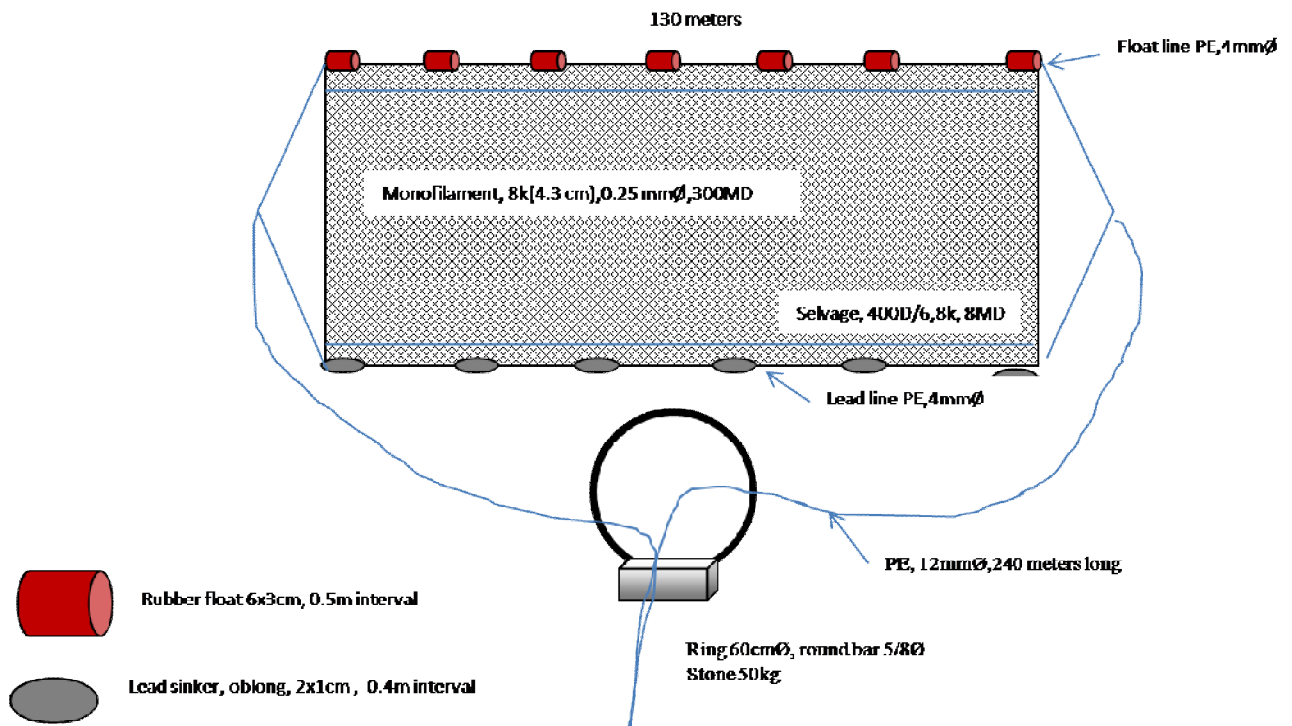


**Modified Bottom set gillnet (Paturay)**

Fishing boat: TL 11.23m X TB 0.9m x TD 0.7m

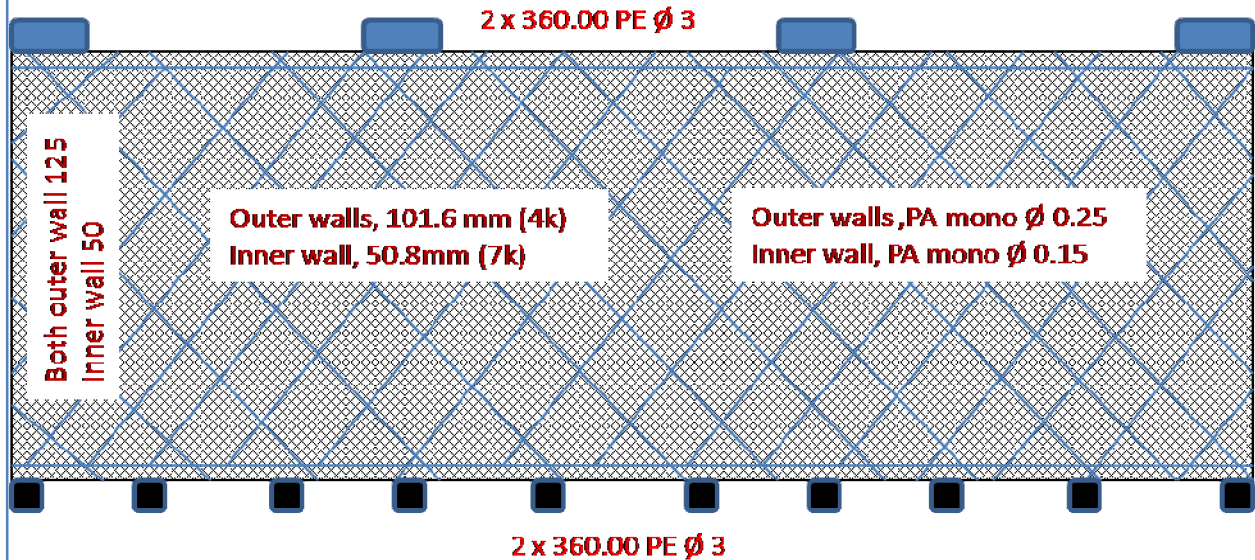
Engine: Kama 10 HP Diesoline Engine


Species caught: *Rastrelliger* spp.





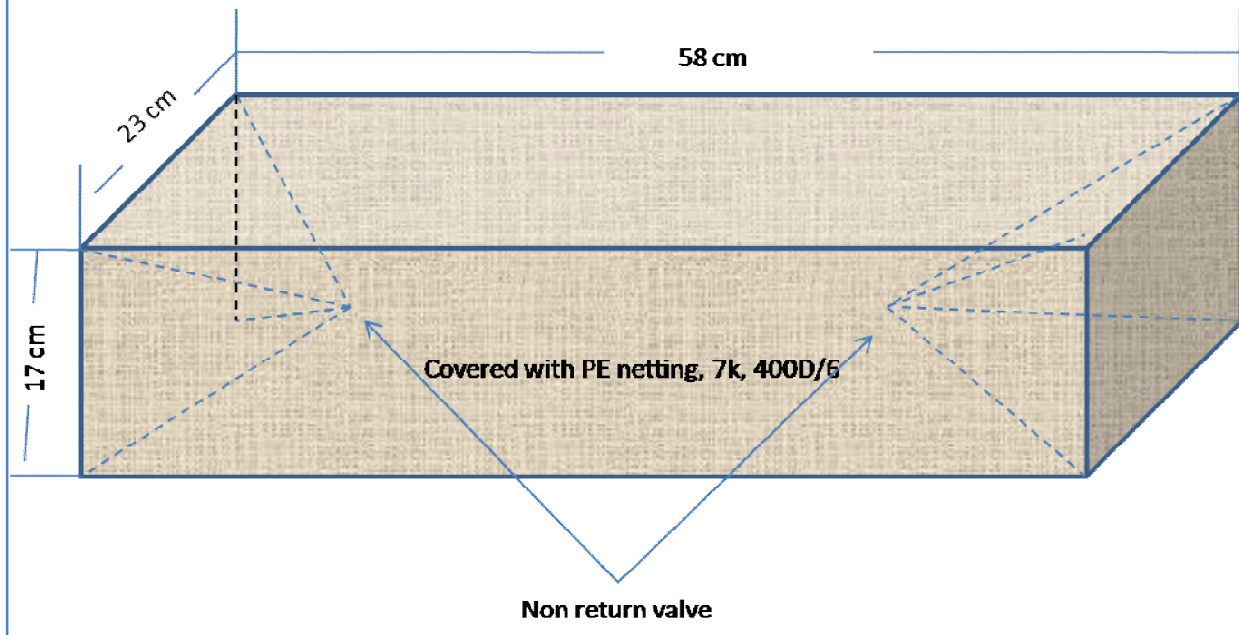
Type of Fishing Gear : Trammel net (Triple net)  
Boat Type : TL 8.5m x TB 0.7m x TD 0.55  
Engine Type : Vanguard 7 HP, Gasoline Engine



 Rubber float, 5 x 3 cm, 50cm interval

 Lead sinker xx, 40 cm interval

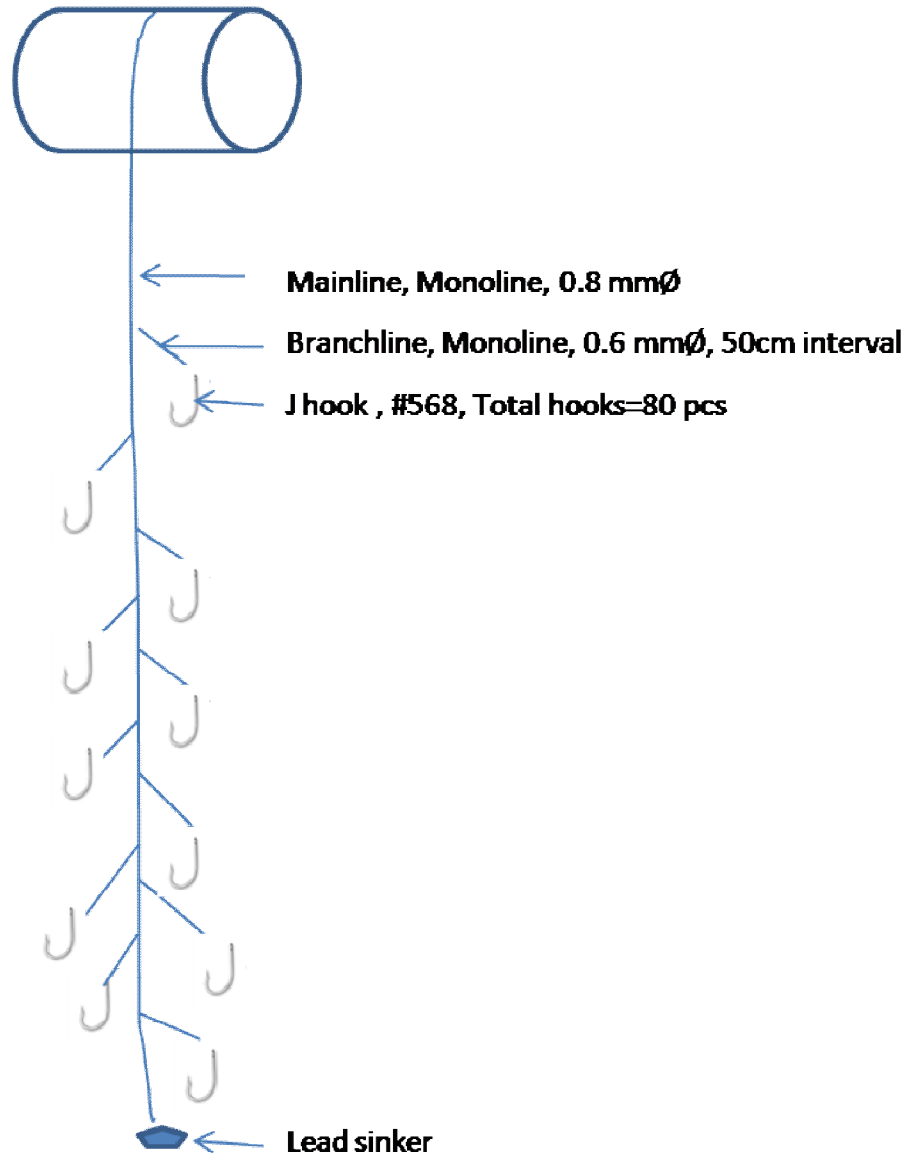
**Crab pot (Panggal Pangalimasag)**  
**Fishing boat: TL7.5m x TB0.56m x TD0,50m**  
**Engine: Kenbo 7HP, Gosoline engine**



**Multiple handline set longline (Undak)**

**Fishing Boat: TL 7.6m x TB 0.62m x TD 0.63m**

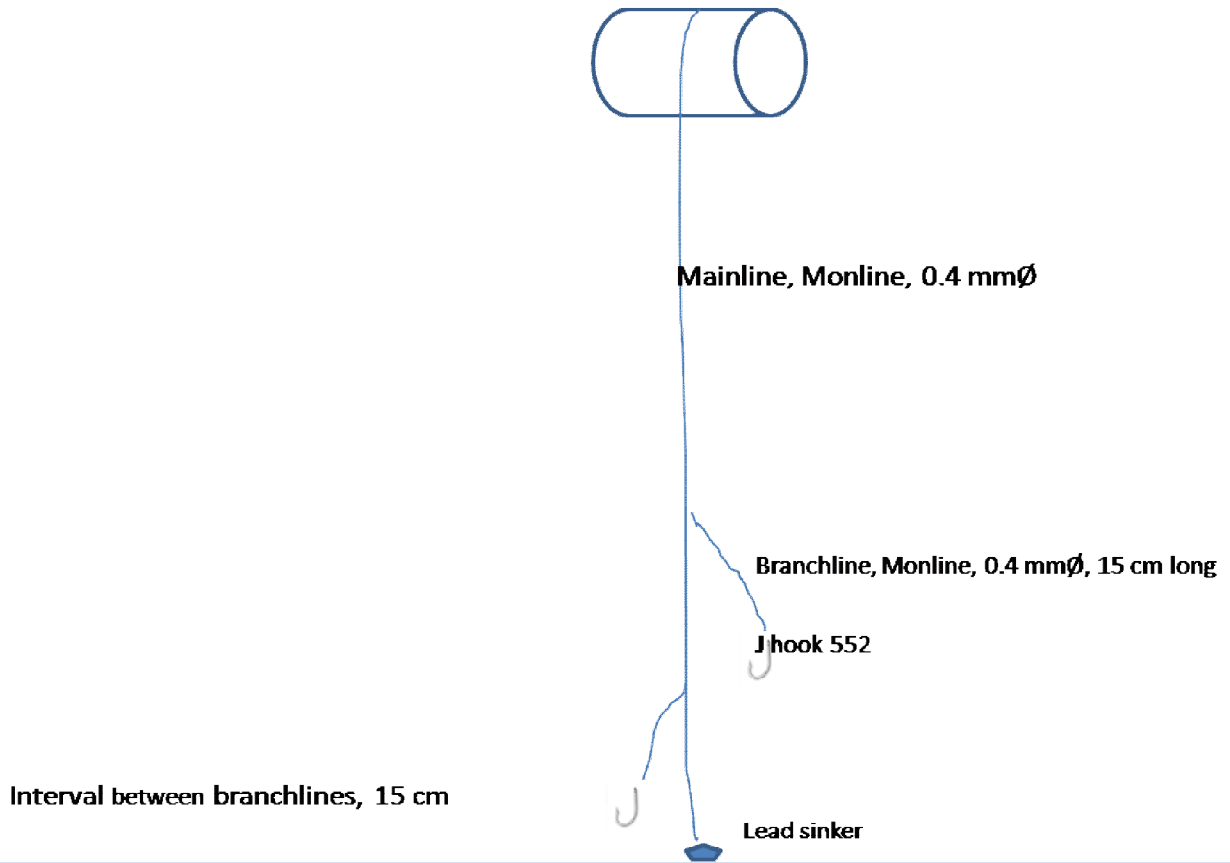
**Engine: Kenbo 6.5 HP, Gasoline Engine**



**Simple Handline (Kawil)**

**Fishing Boat: TL 7.6m x TB 0.62m x TD 0.63m**

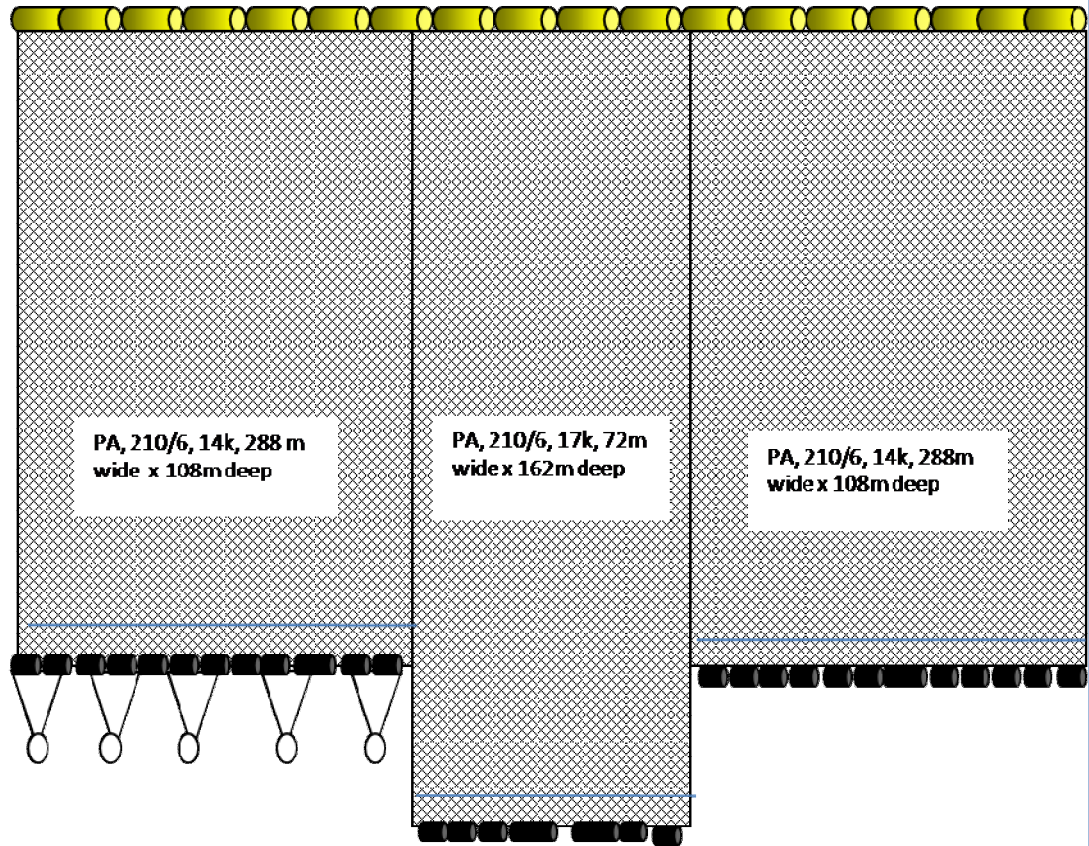
**Engine: Kenbo 6.5 HP, Gasoline Engine**



### Ringnet (Ligkop)

Fishing Boat: TL 25m x TB 3.2m x TD 1.9m

Engine: Mitsubishi 6D14, 120HP



Selvage, 14k, 18MD, 400D/9

Bridle line, PE 6mmØ, 3.5m long, 7 meters interval

Snap ring, 2.5cm x 10cm, stainless bar 5/8 "Ø

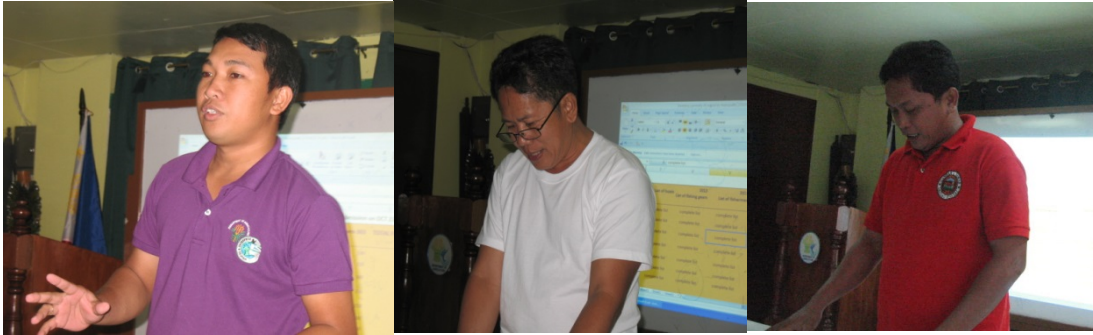
Head rope, 648 meters

**APPENDIX III. LIST OF PARTICIPANTS**

<b>Name and Position</b>	<b>Agency/Address/email/contact numbers</b>
QUITALIG, Ceasar E.	Municipal LGU, Catbalogan City, Samar
GELILANG, Rosita J.	LGU, Tarangnan, Samar
COSTO, Ernesto A.	LGU, Zumarraga, Samar
COPADA, Milagros A.	LGU, Sta. Margarita, Samar
GUINDATUAN, Quintin R.	LGU, Gandara, Samar
SARCO, Gilbert F.	LGU, Tagapul-an, Samar
MUNCADA, Argie L.	LGU. Sto. Nino, Samar
BITBIT, Alejandro F.	LGU, Zumarraga, Samar
CONEJOS, Simon C.	LGU, Catbalogan City
REALINO, Angelica T.	LGU, Calbayog City
GINAY, Constantino C.	LGU, Sta. Margarita, Samar
AGARAO, Teresita A.	LGU, Sto. Nino, Samar
GACER, Adelfa U.	LGU, Sta Margarita, Samar
MENIANO, Jr., Juan P.	OPAG, Samar
MERIDA, Lolita T.	LGU, Tarangnan, Samar
SABIDO, Marcos A.	LGU, Calbayog City
ALAGA, Vilma C.	BFAR-RFTC, Catbalogan City
JARETA, Imelda L.	BFAR-RFTC, Catbalogan City
BERIDA, Norberto	BFAR-RFTC, Catbalogan City
FUENTES, Renato J.	LGU, Daram, Samar
MORILLO, Saturnino L.	BFAR-RFTC, Catbalogan City
RAMISCAL, Rafael V.	BFAR, Diliman, Quezon City
LAMARCA, Napoleon Salvador J.	BFAR, Diliman, Quezon City
HILARIO, Efren V.	BFAR, Diliman, Quezon City
RAMOS, Myrna	BFAR, Diliman, Quezon City



**APPENDIX III. PICTURES DURING THE REVIEW OF OUTPUTS ON THE INVENTORY OF FISHING BOATS AND GEARS IN SAMAR SEA.**



Presentation of outputs from LGU representatives



Review of inventory forms and data encoding.

## APPENDIX IV. WORKSHOP AGENDA

### Review Workshop on the Inventory of Trawl and Other Gears in Samar Sea

RFTC8, SSU Campus, Catbalogan City

22-25 October 2013

#### AGENDA

Wed, 22 Oct 2013		
0900-1700H	Preparation of forms & reports by each of the 11 LGUs	
Thu, 23 Oct 2013		
0830-0930H	Registration	Secretariat( <b>Ms. Myrna B. Ramos/BFAR RFTC 8 staff</b> )
0930-1030H	Opening Program	
	Invocation/ National Anthem	BFAR-RFTC 8 Staff
	Introduction of Participants	<b>Juan Meniano</b> OPAg, Catbalogan City
	Welcome Remarks	<b>Norberto T. Berida</b> Training Director, BFAR-RFTC 8
	Photo ops	
1000-1030H	Snacks	
Training/workshop proper		
1030-1100H	WS Agenda & Mechanics	<b>Napoleon S.J.Lamarca</b> Project Technical Staff & Activity Incharge
	Review of classification of fishing boats and gears in Samar Sea	<b>Mr. Napoleon S.J. Lamarca</b> Project Technical Staff
	<b>Output Presentation (by LGU)</b>	
1100-1200H	Almagro	<b>N Berida/J Meniano/R Ramiscal/N Lamarca</b> Facilitator/s
	Calbayog	
1200-1300H	Lunch break	
1300-1500H	Calbayog	<b>N Berida/J Meniano/R Ramiscal/N Lamarca/R Diocton</b> Facilitator/s
	Catbalogan	
	Daram	
	Gandara	
	Pagsanghan	
	Snacks	Note : Open Forum to follow each presentation
1530-1730H	Sta Margarita	



	Sto Nino	
	Tagapul-an	
	Tarangnan	
	Zumarraga	
<b>Fri, 24 Oct 2013</b>		
0900-1200H	Finalize data / forms	<b>N Berida/J Meniano/R Ramiscal/N Lamarca/E Hilario/R Diocton</b> Facilitator/s
1300-1700H	Consolidation of reports	<b>Napoleon Lamarca &amp; Prof. Diocton</b>
<b>25 Oct 2013</b>		
0900-1700H	Data encoding / summary report	