**SFMP Baseline Questionnaire**

**Draft**

**Independent Variables**

Are members of your household engaged in any of the following livelihood activities?

\_\_Fishing Y/ N

If yes, what are the main types of fish you catch (check all that apply)

\_\_\_Small pelagics sardinella, anchovies and herring, mackeral

\_\_\_Large pelagics – tuna, marlin

\_\_\_Bottom demersal species, red fish, grouper, cassava fish

\_\_\_\_ Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Of the above, which group of fish is most important for your livelihood (check one only)

\_\_Fish processing/smoking

\_\_Fish trading

\_\_Farming food crops (cassava, vegetables)

\_\_Farming plantation crops (coconut, rubber, oil palm)

\_\_Livestock rearing

Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Of the above livelihood activities, which is most important, and which is second most important

Demographics

* + Age (2.01 – 2.10)
  + Gender (2.01 – 2.10)
  + Years Formal Education (2.01 – 2.10)
  + Household Type (1.00 – 1.12)
  + Ethnicity (1.00 – 1.12)
  + Community of Residence (1.04)
  + District of Residence (1.02, 1.03)
  + Region of Residence (1.02, 1.03)
  + Type of participation in project activities (meetings, training, grant recipients, etc)
  + Level of exposure to SFMP communications (radio drama, fliers, billboards, SMS, email)

**Dependent Variables**

Standard of Living

* + Material Style of Life (9.01 – 9.19)
  + Per capita household expenditure (11.1-11.6) \*\*quant\*\*
  + Hunger Scale (3.01-3.06) \*\*quant\*\*
  + Dietary Diversity scale (4.01-4.05)

Perception quality of life – ordinal (better, same, worse)

Compared to 5 years ago, is your quality of life or standard of living now:

* + better, worse, or about the same

Perceptions of changes in fish abundance

Compared to 5 years ago would you say the number of “small pelagic” fish in the sea now is: (abundance)

* + more, less, about the same

Compared to 5 years ago would you say the number of “other” fish such as cassava fish, red fish and groupers ” in the sea now is:

* + more, less, about the same

Changes in small pelagic fishery – ordinal (increase, same, decrease)

Compared to 5 years ago, is the amount of small pelagic fish you catch (yield)

* + more, less, about the same

Compared to five years ago, is the number of other fish caught, if any, (Yield)

* + more, less, about the same

Compared to five years ago, which statement best describes the situation today (CPUE)

* + It is easier to catch fish today that are close to shore
  + Harder to catch fish today and I have to go further offshore to catch fish

Compared to five years ago, which statement best describes the situation today (CPUE)

* + I spend less time to catch the same amount of fish
  + I have to spend more time to catch the same amount of fish?

Which statement best describes the situation today compared to 5 years ago

* + I need to use bigger or longer nets to catch the same amount of fish today that I did 5 years ago
  + I can catch the same amount or more fish today with the same size net I used 5 years ago

What are the main reasons for the changes you mentioned, if any? (check all that apply)

Illegal fishing activities

Oil and gas development offshore chasing the fish away

China-china and trawler vessels fishing in the \exclusive canoe zone take the fish

Increasing number of canoes and fishermen

Increasing number of china-china boats and trawlers

The sea conditions have changed compared to many years ago

algal blooms like green-green

It is gods will

The sea gods are causing it

It is primarily due to the actions of fishermen

Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Compliance** (KAP)

Perception on prevalence of illegal fishing practices

Compared to 5 years ago, has the level of light fishing among fishermen in your community

5 Increased a lot, 4increased somewhat, 2decreased a lot, 1 decreased somewhat or 3 stayed about the same?

Compared to 5 years ago, has the use of fine mesh nets among fishermen in your community

5 Increased a lot, 4increased somewhat, 2decreased a lot, 1 decreased somewhat or 3 stayed about the same?

Compared to 5 years ago, has the level of bomb fishing among fishermen in your community

5 Increased a lot, 4increased somewhat, 2decreased a lot, 1 decreased somewhat or 3 stayed about the same?

Compared to 5 years ago, has the level of carbide fishing among fishermen in your community

5 Increased a lot, 4increased somewhat, 2decreased a lot, 1 decreased somewhat or 3 stayed about the same?

Who is conducting illegal fishing activities in the sea near your community? (check all that apply)

Large Foreign industrial fishing trawlers y / n

Ghanaian trawlers y / n

Inshore china-china boats y / n

Canoes y / n

If more than one checked, who are the most frequent violators?

Large Foreign industrial fishing trawlers y / n

Ghanaian trawlers y / n

Inshore china-china boats y / n

Canoes y / n

Perceptions on law enforcement activities (at sea, on shore)

How often do you see the marine police or fisheries commission enforcement officers patrolling the beaches in your community?

All the time, frequently, occasionally, rarely, not at all/never

How often do you see the navy or marine police patrolling out in the sea

All the time, frequently, occasionally, rarely, not at all/never

Do the enforcement officers ever talk to you about the reasons for the fisheries laws?

All the time, Frequently, occasionally, rarely, not at all/never

Awareness of the law

Which of the following fishing practices are illegal under Ghana fishing laws? (check all that the respondent mentions)

Gill nets

Monofilament nets

Nets with mesh sizes smaller than 2.5 cm

Beach seines

Fishing with lights

Nets with mesh sizes greater than 10 cm

Catching of marlin fish

Catch transferred from trawlers to canoes at sea and then brought to shore

Catching of sea turtles

“ali poli watcha” fishing

Use of dynamite

Drift gill nets

Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which statement do you feel reflects your opinion about the fishery:

* If the fishing regulations currently in place are followed by all fishermen, the fishery will omore healthy and increase catches in the future
* The current fishing regulations if followed by all fishermen, will not improve the fishery in the foreseeable future.

Perceptions if arrested, likelihood of punishment

What is the likelihood that a fishermen will be arrested for illegal fishing:

* All the time, sometimes, rarely, not at all

If arrested, how likely is it that he will have gear confiscated pay a fine or go to jail?

* All the time, sometimes, rarely, not at all

To what extent do politicians intervene on behalf of fishermen if they are arrested to get them off with no jail, or fine or gear released if confiscated?

* All the time, sometimes, rarely, not at all

Which statement most reflects your opinion about fishing penalties:

* The penalties are so small, it does not stop anybody from illegal fishing
* The penalties are very severe and prevent fishermen from illegal fishing

Social pressure

If you see a fishermen that lives in your community using illegal fishing methods which of the following actions would you most likely do?

Nothing and ignore it

Tell him to stop using those fishing methods

I would stop socializing with him if he was my friend

Report him to the chief fishermen

Report him to the police

Perceptions of respect for / influence of local authorities

From the following list of people, who do you respect most in advising you about god and bad fishing practices.

* + - Fisheries commission official
    - Chief fisherman
    - Local government official
    - kokohene
    - Police
    - Traditional leader

Do law enforcement officers ever request payment from fishermen to not arrest them for illegal fishing?

All the time, sometimes, rarely, not at all

Degree of Empowerment

How often are you asked for your opinion about proposed fishing laws and regulations by the fishery commission?

All the time, sometimes, rarely, not at all

How often are you asked for your opinion about proposed fishing laws and regulations by local government officials?

All the time, sometimes, rarely, not at all

How often are you asked for your opinion about proposed fishing laws and regulations by chief fishermen or traditional leaders?

All the time, sometimes, rarely, not at all

Who should be the primary groups involved in deciding rules about fishing in order to have sustained and improved catches in the future. (Choose no more than 2)

* Fishermen
* Fish processors and traders
* Chief fishermen
* Traditional leaders
* Local government /district assembly
* National fisheries commission
* Environmental groups
* Members of parliament
  + Women’s empowerment in agriculture index (10.1-10.6, modified)

**Labor Practices**

Awareness

Which of the following practices in your community do you believe are acceptable for parents to allow, check all that apply

* Child under 12 years
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + taking payment from a person who promises to take care of you child at a location outside your community
* Child between ages of 12 – 16
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + taking payment from a person who promises to take care of you child at a location outside your community
* Child between 16-18 years
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + Taking payment from a person who promises to take care of you child at a location outside your community

Practice

In your opinion how widespread is the practice of parents allowing

* + children under the age of 16 to go fishing

all the time, sometimes, rarely, not at all

* + To work during school hours smoking fish

all the time, sometimes, rarely, not at all

* + To work during school hours selling fish

all the time, sometimes, rarely, not at all

Sometimes parents in fishing communities take payments from a person who promises to take care of a child at a location outside your community. In your opinion, how widespread is this practice.

* + Many families in the community do this
  + Only a very few families in the community do this
  + No one in the community ever does this

Knowledge

Which of the following practices are considered illegal under Ghana’s labor laws, check all that apply

* Child under 12 years
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + taking payment from a person who promises to take care of you child at a location outside your community
* Child between ages of 12 – 16
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + taking payment from a person who promises to take care of you child at a location outside your community
* Child between 16-18 years
  + working on a fishing vessel
  + selling fish or helping their mother smoke fish after school
  + selling or smoking fish during any time of the day
  + Taking payment from a person who promises to take care of you child at a location outside your community