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SUSTAINABLE FISHERIES MANAGEMENT PROJECT (SFMP) Progress Report



OCTOBER 1 - DECEMBER 31, 2020

THE
UNIVERSITY
OF RHODE ISLAND
GRADUATE SCHOOL
OF OCEANOGRAPHY



resonance
Frontier Market Solutions
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Cover photo: Women fish processors undergoing training in soap making as part of diversified livelihood options for fishers.

Photo Credit: SFMP

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ACRONYMS

CIC	Canoe Identification Card
CEWEFIA	Central and Western Region Fishmongers Improvement Association
CLaT	Child Labor and Trafficking
COVID-19	Coronavirus Disease of 2019
CRC	Coastal Resources Center
DAA	Development Action Association
DIS	Development Information Solution
DQA	Data Quality Assessment
EG	Economic Growth
F2F	Fisher to Fisher (Dialogues)
FC	Fisheries Commission
FEU	Fisheries Enforcement Unit
FoN	Friends of Nation
FSSD	Fisheries Scientific Survey Division
FtF	Feed the Future
FTFMS	Feed The Future Monitoring System
FY	Fiscal Year
GNCFC	Ghana National Canoe Fishermen’s Council
GOG	Government of Ghana
HM	Hen Mpoano
IR	Intermediate Results
M&E	Monitoring and Evaluation
METSS	Monitoring and Evaluation Technical Support Services
MOFAD	Ministry of Fisheries and Aquaculture Development
MT	Metric Tones
NAFPTA	National Fish Processors and Traders Association
NMFMP	National Marine Fisheries Management Plan
NRM	Natural Resource Management
PPI	Poverty Probability Index
SFMP	Sustainable Fisheries Management Project
STWG	Scientific and Technical Working Group
UCC	University of Cape Coast
URI	University of Rhode Island
USAID	United States Agency for International Development
USG	United States Government

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1. PROGRAM OVERVIEW AND SUMMARY

Table 1: Sustainable Fisheries Management Project Summary

Program Name	Sustainable Fisheries Management Project (SFMP)
Activity Start and End Date	October 22, 2014 to April 30, 2021
Name of Prime Implementing Partner	Coastal Resources Center University of Rhode Island
Agreement Number	AID-641-A-15-00001
Name of Sub-awardees (For the workplan period)	Resonance Global Central and Western Fishmongers Association (CEWEFIA) Development Action Association (DAA) Friends of the Nation Hen Mpoano Centre for Coastal Management (CCM)/Univ. Cape Coast
Major Counterpart Organizations	Ministry of Fisheries and Aquaculture Development (MOFAD) Fisheries Commission (FC) Ministry of Health (MOH)
Geographic Coverage (cities and or countries)	Ghana: Central Region, Western Region, Greater Accra Region, Volta Region
Reporting Period	October 1 – December 31, 2020

1.1 Program Description / Introduction

The implementation of the SFMP which was originally scheduled for five-years (October 2014 - October 2019) was extended through a No Cost Extension amendment (November 1, 2019 – September 31, 2020) to consolidate activities aimed at achieving the project goal of rebuilding marine fisheries stocks through adoption of responsible fishing practices. The project contributes to the Government of Ghana’s fisheries development objectives and the US Government’s *Feed the Future Initiative*. Originally, the SFMP has been working with the Ministry of Fisheries and Aquaculture Development (MOFAD) and the Fisheries Commission (FC) to end overfishing of key stocks important to local food security through achievement of the following Intermediate Results (IRs):

- IR1 - Improved legal enabling conditions for co-management.
- IR2 - Strengthened information systems and science-informed decision-making.
- IR3 - Increased constituencies that provide the political and public support.
- IR4 - Implementation of applied management initiatives for targeted fisheries.

The Coastal Resources Center (CRC) at the University of Rhode Island’s (URI) Graduate School of Oceanography is the lead implementer of the SFMP, working with a consortium of international and local partners.

SFMP has been focusing efforts on the small pelagic fisheries along the entire coastal region of Ghana as well as fisheries and essential mangrove fish habitats in three coastal estuaries - The Densu, Pra and Ankobra systems. Additionally, SFMP has been supporting improvements in the value chain of smoked fish, important to tens of thousands of women fish processors to ensure the production and trade in quality fish.

Following the outbreak of the COVID-19 pandemic in Ghana in March 2020, it was considered that this unanticipated development could have dire consequences on the artisanal

fisheries sector which is central to the economy and the livelihoods of 300,000 men and women in over 300 coastal communities given the communal nature of landing fish and the related post-harvest activities. It will be challenging to keep fisher folks safe and healthy to sustain seafood supply and distribution, taking into consideration the mode of spread of the virus. Moreover, the absence of effective and pragmatic approaches to deliver social and economic safety net packages to vulnerable fishing households to mitigate the secondary impacts of the COVID-19 pandemic complicates the challenges. If these risks and challenges are not managed, the COVID-19 virus could quickly spread through fishing communities with devastating impacts including loss of lives and erode all gains of fisheries stakeholders towards sustainable management of the resource supported by SFMP. The re-imposition of any future partial area lockdowns or a full lockdown of the country and/or fishing communities could also endanger fisheries value chains, which provide livelihoods for close to ten percent of the population and a vital source of affordable, high-quality protein for Ghanaians.

On May 28, 2020, the USAID Cooperative Agreement with URI on the SFMP was modified to provide a 7-month cost extension through April 2021. A supplemental program description was provided with the following result areas elaborated to achieve the goal of the SFMP COVID-19 response initiative: “To prevent the spread and mitigate the economic effects of COVID-19 among vulnerable households in fishing communities in Ghana.”

COVID 1: Fisherfolk at 300 landing sites, processing and/or fish markets sites better adhere to official COVID-19 disease prevention protocols.

COVID 2: Two thousand extremely vulnerable fisheries-dependent households avoid extreme poverty.

COVID 3: Government of Ghana (GoG) has evidence on approaches for effective livelihood assistance to fishing communities affected by COVID-19.

COVID 4: Cross Cutting Areas: Private Sector Engagement and Partnerships; Gender and Youth; Building for Sustainability.

In pursuit of these strategic outcomes, the SFMP COVID-19 response program has been working with the 27 metropolitan, municipal, and district assemblies (MMDAs) along the entire coast of Ghana, the Ministry of Fisheries and Aquaculture Development (MOFAD), the Fisheries Commission (FC), Ministry of Health (MOH), Ministry of Information (MOI), as well as fisherfolk associations that have membership and respected leaders in almost all 186 fishing villages found along the coast.

This progress report details activities, results, and lessons learned during the first quarter of Project Year 7 (FY21). It also explains how partners have contributed to the achievement of targets under the original SFMP and the COVID-19 response program, and how these achievements will be sustained to meet the overarching goals of the project.

1.2 Summary of Original SFMP Results

Highlights of activities and achievements for the first quarter of Project Year 7 (October 2020 – December 2020) include the following:

Strengthening the Enabling Environment for Marine Fisheries Management: In the quarter under review, SFMP collaborated with MOFAD/FC to finalize all editorial and technical reviews of the Co-Management Policy that was published in the gazette. The project has printed 1500 copies of the policy document to be distributed to stakeholders during stakeholder engagement workshops to be organized within the next quarter. The approval of the Co-Management Policy for the fisheries sector in Ghana also paved the way

for finalization of three pilot Community Based Fisheries Management Plans for estuarine fisheries; Ankobra, Pra and the Densu. The SFMP has subsequently printed 100 copies each of the three Community Based Fisheries Management Plans to facilitate engagement with the stakeholders of the respective communities. The engagement of stakeholders from these estuarine fisheries communities will form part of the broader stakeholder engagement on the national Fisheries Co-Management Policy to be undertaken in Q2, FY21.

Science and Research Applied to Policy and Management: Following the approval and gazette of the Fisheries Co-Management Policy, the SFMP engaged the Ministry of Fisheries and Aquaculture Development and Fisheries Commission, during the quarter under review, to establish a Science and Technical Working Group (STWG) as one of the first steps towards implementation of the Co-Management Policy. The STWG, as recommended by the SFMP has been captured in the Fisheries Co-Management Policy as a Scientific and Technical Committee (STC). During the rest of the project implementation period, the project will continue to engage the MOFAD/FC to identify qualified individuals who will constitute the STC. The setting up of the STC is expected to facilitate the provision of a dependable and credible source of information and advice on the status of fish stocks and recommendations for the sustainable management of the fisheries resources of Ghana. The final report of the STWG supported by SFMP was published. Unfortunately, this stock assessment update through 2019 shows the stocks of small pelagics have collapsed.

Creating Constituencies and Stakeholder Engagement: The SFMP has been playing a very important role in facilitating collation and dissemination of information and enhancing awareness on important issues related to the fisheries sector through such innovative platforms such as the Fisher to Fisher (F2F) dialogue process and planning of outreach and media activities with the Ministry and the Fisheries Commission. During the period under review, the SFMP was able to finalize a video documentary on the biological monitoring of the 2019 closed season to facilitate effective communication of the results with stakeholders. The project also produced a number of Information, Education and Communication (IEC) materials including brochures on the biological monitoring and socioeconomic assessment of the 2019 fisheries closed season. The project also produced infographic banners to communicate the results of the biological monitoring of the 2019 closed season to stakeholders in pictorial form.

Supporting Implementation of Applied Management Initiatives: Applied Management relates to strategies and interventions that move management interventions from theory to practice with generation of concrete results. Over the years, SFMP has introduced practical fisheries management approaches and innovations that have generated positive socioeconomic impacts. In the period under review, applied management initiatives undertaken by SFMP include development of software to link the Canoe Identification Card to the Marine Canoe Registry in an effort to move the sector from an open access regime to a regulated access regime, as well as improvement of fisheries post-harvest activities. Thirty-five (35) fish processors who had previously been supported by the project to upgrade their processing facilities applied to the Class 1 Recognition Scheme and 22 were shortlisted after the preliminary screening. The 22 processors across the four coastal regions were audited by a team from the Food and Drugs Authority and the Fisheries Commission. The actual number to be signed onto the Class 1 Recognition Scheme will be determined when the report of the audit team is finalized by the end of December 2020 and shared in Q2.

1.3 Summary of SFMP COVID-19 Response

Within the constraints on organizing in person meetings as a result of government directives on meetings, SFMP resorted to virtual and social media platforms and telephone to reach out to its stakeholders in the implementation of activities outlined in the COVID-19 response program. The highlights of activities and achievements for the first quarter of Year 7 (October 2020 – December 2020) under this program component include the following:

COVID Result Area 1: This strategic result area involves Social and Behavior Change Communication (SBCC) activities to foster compliance and adherence to COVID-19 prevention protocols. SFMP continued to support the playing of COVID-19 jingles and animations produced at the inception of the COVID-19 response program in Q4, FY20. The project also supported promotional activities of Kofi Kinata, the artist who was engaged by SFMP to produce a music video on COVID-19, which became a hit song immediately on release with over 300,000 views on U-tube already. The project also disseminated the COVID-19 jingles and animations through a social media platform created for fishers which has representation of fishers including fish processors from almost all fishing communities along the entire coastal regions of Ghana.

COVID Result Area 2: This strategic result area involves piloting of appropriate methodologies for the provision of social assistance, an “economic safety net” to 2000 extremely poor and vulnerable fisheries-dependent households. The SFMP initiated engagement with all partners and key government institutions towards establishment of a Technical Coordinating Committee, to be chaired by the Chief Director of the Ministry of Gender, Children and Social Protection or his/her representative specifically for the economic safety net assistance intervention. The development of criteria to facilitate the selection of the poor and vulnerable fisheries dependent households had been completed at the end of FY20. The Technical Committee is to provide guidance for the implementation of the SFMP Economic Safety Net package and the initial meeting of the Technical Committee was organized. Selection of poor and vulnerable fisheries dependent households progressed smoothly and at the end of Q4, FY20, a total of 3,244 potential beneficiary households were identified by local community representatives of fishers. During the quarter under review, the list of the 3244 potential beneficiary households was pruned to 2000 through administration of a Poverty Probability Index questionnaire (Proxy Means Test). As a result of the fact that not all the selected beneficiaries have mobile money accounts, payment of the first tranche of the Economic Safety Net Package is progressing in phases and scheduled to be completed by the close of the quarter.

COVID Result Area 3: This component focuses on assessment and identification of opportunities to pilot diversified livelihood approaches that could reduce fishing pressure, provide stable incomes, and new economic opportunities in the long-term. This component is being led by Resonance Global on behalf of SFMP. The strategy for livelihood diversification focuses on women and the youth in an effort to foster sustainability of supplementary and complementary livelihood options as it was determined that women and youth have higher propensity towards transitioning to other forms of livelihoods, compared to adult male fishers who have embraced fishing as a lifestyle. Within the quarter under review, 100 fish processors, consisting of 98 women and 2 men were trained on the production of handwashing soap. Fifty (50) fish processors have also been trained to use their fish processing facilities (Ahotor oven) to process food items other than fish. Products being tested include wheat flour pastries and local delicacies made with maize and local potatoes.

Table 2 below summarizes the standard USAID indicators for SFMP showing results completed in the first quarter of FY 21 vis-a-vis targets. Significant deviations between results and targets are explained in Annex A which also shows custom project indicators.

Table 2: Summary of Results: Year 7 Quarter 1 (October 1 – December 31, 2020)

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
Number of hectares in areas of biological significance and/or natural resource showing improved biophysical conditions as a result of USG assistance (EG 10.2-1)	0	0	0	0	N/A	N/A	N/A	N/A	N/A (Tracked annually) STWG stock assessment report shows both overfishing still occurring and the stocks are considered overfished. Report indicates that small pelagic landings in 2019 are below 10% historic highs and therefore technically have collapsed.
Number of agricultural and nutritional enabling environment policies completing the following processes/steps of development as a result of USG assistance in each case: (Project Custom Ind.) 1. Analysis 2. Stakeholder consultation 3. Drafting or revision	0	Target	Results						
		Fish Act –Step 3	N/A	Cancelled	N/A	N/A	N/A	N/A	Y- Step 2 achieved in FY19. Activities supporting this canceled.
		CLaT strategy– Step 4	Achieved FY17	N/A	N/A	N/A	N/A	N/A	Y- Step 4 achieved in FY17. No further target in following years.
		Co-Management. policy–Step 4	Step 4 In process	Step 4 Achieved	N/A	N/A	N/A	100%	Y - Signed by the Minister, gazetted, signed and printed Q1 Y7

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
4. Approval (legislative or regulatory) 5. Full and effective implementation (Project indicator 1)		NMFMP-Step 4	Achieved FY18	N/A	N/A	N/A	N/A	N/A	Y-Step 4 achieved in FY18. No further target in following years.
		Pra (CBMP) - Step 4	Step 4 In process	Step 4 Achieved	N/A	N/A	N/A	100%	Y - achieved approval from Cabinet received. Signed by the FC Exec. Dir. and plan printed.
		Ankobra (CBMP) -Step 4	Step 4 In process	Step 4 Achieved	N/A	N/A	N/A	100%	Y - achieved approval from Cabinet received. Signed by the FC Exec. Dir. and plan printed
		Densu (Oyster Plan) Step 4	Step 4 In process	Step 4 Achieved	N/A	N/A	N/A	100%	Y - achieved approval from Cabinet received. Signed by the FC Exec. Dir. and plan printed
		Gender Strategy -Step 4	Achieved in FY17	N/A	N/A	N/A	N/A	N/A	Y-Step 4 achieved in FY17. No further target in following years
Number of hectares under improved management practices or technologies with USG assistance (EG.3.2-25)	0	611,000	0	0	N/A	N/A	N/A	0%	Y-Largely met in previous years but small pelagic closed season in 2020 was postponed until 2021 due to COVID-19. Canoe registration database complete, cards printed but expected to be distributed in Q2 FY21. Moratorium on new entrants not declared by MOFAD.

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
Number of hectares of biologically significant areas under improved natural resource management as a result of USG assistance (EG, 10.2-2)	0	611,000	0	0	N/A	N/A	N/A	0%	Y-Same as EG.3.2-25
Number of individuals in the agriculture system who have applied improved management practices or technologies with USG assistance (EG.3.2-24).	0	10,000	0	0	NA	N/A	N/A	0%	Y 10,000 CIC printed in FY20 and cards expected to be distributed in Q2 FY21 once software app is approved by the Fisheries Commission. Replaces EG.3.2-17/ FtF 4.5.2, "Number of farmers and others who have applied new technologies or management practices as a result of USG assistance."
Number of individuals participating in USG-assisted group-based savings, micro-finance or lending programs (EG.4.2-7)	0	0	N/A	N/A	N/A	N/A	N/A	N/A	LOP target 100% achieved in FY20.
Number of micro, small and medium enterprises (MSMEs), including farmers, receiving business development services from USG assisted sources (Project indicator 3)	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Target achieved in FY20.

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
Value of agriculture-related financing accessed as a result of USG assistance, a new indicator that looks at both credit and debt (loan)-related financing provided (EG.3.2-27).	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Total achieved since FY15 is \$57,878 under EG.3.2-3 and \$34,998 under EG3.2-27 (107% of LOP target). SFMP will not track this indicator after FY20. LOP is achieved and no new target set for FY21.
Number of food security private enterprises (for profit), producer organizations, water users associations, women's groups, trade and business associations, and community-based organizations (CBOs) receiving USG assistance (Project indicator 6)	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Y No new target for FY21. FY20 target 100% achieved.
Number of members of producer organizations and community-based organizations receiving USG assistance (Project indicator 4)	0	10,000	0	0	N/A	N/A	N/A	0%	Y The Canoe Identification Card (CIC) was to be implemented (distributed) but has delayed until the new software for reading cards in the field by FC officers is completed. 10,000 cards expected to be distributed in FY21 Q2.
Number of service providers that receive training, technical	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Y

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
assistance, or capacity building in victim-centered and trauma-informed services (PS.5.1-24)									Target achieved in FY20 Q4
Number of people trained in prevention (PS.5.3-15)	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Y Target achieved in FY20 Q4
Number of sites (landing beaches, processing centers or fish markets) obtaining hygiene equipment and supplies adhering to COVID-19 prevention protocols (Project indicator 7a)	0 (2020)	140	172	172	N/A	N/A	N/A	123%	Y - Initially assumed 300 sites and the LOP target was 80% = 240. The project is serving 242 sites in total. So the cumulative target would now be 194 sites (80% of total served). One site reported in FY20 was determined to be inactive. The project meant to achieve at least 100 sites in FY20 and the remainder 140 in FY21. We should have made the FY21 target cumulative at 240. The number reported this quarter is based on data from the December 2020 survey.
Number of sites showing improvement in adherence to social distancing and other good practices (Project indicator 7b)	0 (2020)	300	116	0	N/A	N/A	N/A	39%	N- Based on data from the December 2020 survey. See Annex for notes on an adjustment to the methodology for calculation as sites are

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
									not followed longitudinally.
Number of functional Social Media Groups (Project indicator 7c)	0 (2020)	12 groups/450 persons	21 groups/787 persons	21 groups/787 persons	N/A	N/A	N/A	175%	Y-The project meant to achieve 12 groups in FY20 and the remainder 12 groups in FY21. We should have made the FY21 target cumulative at 24. The number reported this quarter is a total of 21 groups to date. An additional group formed in FY21 Q1 brings the total to 21 groups with 787 members and an average of 88% access by group members. All groups had more than 20% access as per the definition for active. Three groups, GTA, GITA, GIFA were not interested in forming groups. No additional effort will be made to set up those groups.
US\$ disbursed per household/person (Project indicator 8a)	0 (2020)	\$416,000 to 2000 hh over 4 months	\$81,744	\$81,744	N/A	N/A	N/A	20%	Y – 1572 households received \$52 each (1 month payment of the anticipated 4 months payment). To date 79% of targeted households are served. Logistical

Standard Indicators	Baseline FY 2015	Annual Target (FY 2021)	Year 7 (FY21) Results	Q1 FY21	Q2 FY21	Q3 FY21	Q4 FY21	Annual Performance Achieved to the End of Reporting Period (%)	On Target Y/N
									challenges on mobile money registration are being addressed to continue to reach remaining beneficiaries.
% of targeted households with steady or decreasing hunger and steady or increasing diet. (Project indicator8b)	0 (2020)	90%	0	N/A	N/A	N/A	N/A	N/A	Y- Baseline and trends have not been established yet due to delay in registration of all cash beneficiaries
Number of methodologies for targeting and monitoring of economic assistance validated (Project indicator 8c)	0 (2020)	2	0	N/A	N/A	N/A	N/A	0%	Y This is planned for Q2 FY 21
Percentage of female participants in USG-assisted programs designed to increase access to productive economic resources (GNDR-2)	0 (2020)	40%	89%	N/A	N/A	N/A	N/A	223%	Y Target over-achieved as a result of large female representation in alternative livelihood trainings held this quarter.
Number of individuals participating in USG food security programs (EG.3.2)	0 (2020)	2025	1688	1688	N/A	N/A	N/A	83%	Y
Number of livelihood approaches tested and their effectiveness (Project indicator 9)	0 (2020)	2	0	0	N/A	N/A	N/A	0%	Y This is planned for Q2 FY 21

2. ACTIVITY IMPLEMENTATION PROGRESS

IR 1: Strengthened Enabling Environment for Marine Resources Governance

Over the years, SFMP has been supporting MOFAD/FC to review the current fisheries legislation as a preparatory step towards the development of a new national fisheries legislation and a national fisheries co-management policy. However, as a result of lack of progress on securing Cabinet approval in respect to the development of the New Fisheries Legislation, SFMP sought approval from the USAID Mission and in the first quarter of FY20, the project discontinued activities related to the development of the new fisheries legislation. Subsequently, the project, focused its efforts related to strengthening the enabling policy and legislative environment on national fisheries Co-Management Policy. With support of SFMP, MOFAD/FC was able to secure approval for the Policy by the Cabinet of the Republic of Ghana in Q2, FY20. In the quarter under review, SFMP collaborated with MOFAD/FC to finalize all editorial and technical reviews and the policy was published in the national gazette. The project has printed 1500 copies of the policy document to be distributed to stakeholders during stakeholder engagement workshops to be organized within the next quarter.

The approval of the Co-Management Policy for the fisheries sector in Ghana also paved the way for finalization of three pilot Community Based Fisheries Management Plans for estuarine fisheries; Ankobra, Pra and the Densu. The SFMP has subsequently printed 100 copies each of the three Community Based Fisheries Management Plans to facilitate engagement with the stakeholders of the respective communities. The engagement of stakeholders from these estuarine fisheries communities will form part of the broader stakeholder engagement on the national Fisheries Co-Management Policy to be undertaken in Q2, FY21.

The SFMP contributed to the development a New Fisheries Management Plan for the marine sector, by providing inputs into relevant sections of the document. This process of review is still on-going.

IR 2: Science and Research Applied to Policy and Management

As part of the strategy towards realization of the project goal and objectives of rebuilding Ghana's marine fish stocks and catches through the adoption of responsible fishing practices, the SFMP facilitated the formation of the Scientific and Technical Working Group (STWG) in 2015. The National Fisheries Co-Management Policy mandates the Fisheries Commission to establish a Science and Technical Working Committee stipulated as follows "The Fisheries Commission shall establish a Scientific and Technical Committee (STC) to act as an advisory panel to the Commission and its Co-Management Committees in accordance with existing Fisheries Laws. STC shall be chaired by the Head of the Fisheries Scientific Survey Division (FSSD) of the Fisheries Commission, or designee, and include membership from academia, the fishing industry and any other relevant institutions". Following the approval and gazette of the Fisheries Co-Management Policy, the SFMP has engaged the Fisheries Commission during the quarter under review to establish the STC as the first step towards implementation of the Co-Management Policy. During the rest of the project implementation period, the project will continue to engage the FC to identify qualified individual who will constitute the STC. The setting up of the STC is expected to facilitate the provision of a dependable and credible source of information and advice on the collection and evaluation of data relevant to the sustainable management of the fisheries resources of Ghana.

During this quarter, the STWG completed final editing of the 2019 stock assessment report for 2019. Unfortunately, the report concluded that, technically, the stocks of the small

pelagics have collapsed and ascribed the collapse of this important fish stock to excessive overfishing. Illegal, Unreported and Unregulated (IUU) fishing activities, especially, “saiko” also contributed to the collapse of the small pelagic stocks. Saiko is the harvesting of juvenile fish (mostly pelagic species) by industrial trawlers and the illegal transshipment at sea of the frozen juvenile catches from the industrial trawlers to canoes purposely built for this illegal activity.

IR 3: Creating Constituencies and Stakeholder Engagement

Video Documentary on Biological Monitoring of the 2019 Closed Season

The SFMP has completed a video documentary on the biological monitoring of the 2019 closed season to facilitate effective communication of the results with stakeholders. The process of data collection, sampling of the views of fisherfolk on the closed season, interview with Kofi Amador, Director, FSSD on the journey of FSSD with SFMP and the support FSSD has received from SFMP were captured. The video also has comments from the former Chairman of the STWG and was reviewed by the STWG for comments. The documentary has been shared on the University of Rhode Island’s YouTube page and the SFMP’s WhatsApp platforms for fisherfolk. The documentary will also be disseminated to fishers during stakeholder engagement on the Fisheries Co-Management Policy to be scheduled in Q2, FY21.

Information, Education, and Communication (IEC)

The project has developed and printed the following IEC materials to facilitate dissemination of information on key issues. The stakeholders who have been targeted to receive these IEC materials include Ministry of Fisheries and Aquaculture Development/Fisheries Commission (MOFAD/FC), Fisheries Scientific Survey Division (FSSD), SFMP’s implementing partners, Ghana National Canoe Fishermen’s Council (GNCFC), National Association of Fisheries Associations in Ghana (NAFAG), University of Cape Coast (UCC), and the University of Ghana. The IEC materials are as follows;

- 1) 150 copies of the biological monitoring report on the 2019 closed season.
- 2) 2,550 copies of biological monitoring brochures which summarizes the key findings and conclusions of the biological monitoring report. This includes versions in Ewe, Ga, Fante, and Nzema
- 3) 1,400 copies of socio economic assessment brochure, which summarizes the key findings and conclusions of the assessment of the socio-economic, food security and nutrition impacts of the 2019 closed season.
- 4) 41 infographic banners that communicate the results of the biological monitoring of the 2019 closed season in a pictorial manner for easy understanding by fisherfolk. This includes versions in Ewe, Ga, Fante, and Nzema.

Fisheries News Mass Mailing

In support of broader stakeholder engagement and information dissemination, SFMP continued to use the ‘MailChimp’ platform to facilitate information sharing with its wide range of stakeholders. Since the activation of the platform in year four, more than 700 stakeholders have been receiving fisheries news on a weekly basis through a formatted email message service that includes links to relevant news and information.

Media Stories

The list of a number of fisheries stories reported on various local media platforms can be found in Annex C.

IR 4: Applied Management

Implementation of the National Marine Fisheries Management Plan

In the quarter under review, SFMP has been able to finalize the development of software to link the Canoe Identification Card (CIC) to the Marine Canoe Registry in an effort to move the sector from open access regime to regulated access regime. This represents a major step in moving the artisanal marine fisheries sector towards sustainability in terms of regulation of fishing effort and capacity. To ensure effective deployment of the software and the realization of the intended purpose of the CIC software, the SFMP in collaboration with the FC facilitated meetings with all key stakeholders, especially, the GNCFC. As a result, the developer has been able to integrate all inputs and comments into the final product. The deployment and testing of the software on FC's IT system has started and the operational phase, where Officials of the Fisheries Commission will use smart phones to scan the QR codes on the CIC is scheduled for Q2, FY 21, This will be preceded by a training for Fishery Enforcement Unit (FEU) officials on the use of the software by the developer. The SFMP, therefore, has initiated the process of acquiring 20 smart phones for FEU officers. The distribution of CIC is also scheduled for Q2, FY 21.

Value Chain and Post-Harvest Improvements

In the quarter under review, 35 fish processors who had previously been supported by the project to upgrade their processing facilities applied for the Class 1 Recognition Scheme. Based on the evaluation criteria used in the assessment of the initial 13 processors certified in 2019, the 35 applicants were screened and shortlisted to 22. These 22 processors across the four coastal regions have been audited by a team from the Food and Drugs Authority and the Fisheries Commission. The report of the audit team of the Class 1 Recognition Scheme will establish the number of applicants qualified to be issued Class 1 Recognition status/certification.

IR 5: Gender Mainstreaming

The SFMP has completed all activities related to the Learning Initiative on Women Empowerment, Access to Finance and Sustainable Fisheries and the Ghana Case Study Report was previously submitted. SFMP is also preparing a quantitative report the will be finalized in Q2. However, SFMP continues to empower women through training in complementary and supplementary livelihood options captured under the COVID-19 Response program.

IR 6: Public Private Partnerships

Prior to inception of COVID-19 pandemic, the original SFMP was winding down towards final project closure in September 2020, with almost all engagements with the private sector completed in FY19.

IR 7: Capacity Development

GoG Capacity Development

The SFMP has completed all of its capacity development activities for GOG. As a result, no activities were executed in FY 21 related to development of capacity for GOG.

CSO Capacity Development

The SFMP has completed all of its capacity development activities for CSOs by Q4, FY 19. As a result, no activities were executed in FY 21 related to development of capacity for CSOs.

SFMP COVID-19 RESPONSE PROGRAM

Within the constraints on organizing in person meetings as a result of government directives on meetings, SFMP adopted COVID-19 compliant protocols for in-person meetings and also resorted to virtual and social media platforms and telephone to reach out to its stakeholders in the implementation of activities outlined in the COVID-19 response program. The highlights of activities and achievements for the first quarter of Year 7 (October 2020 – December 2020) under this program component include the following:

COVID Result Area 1: Fisherfolk at 300 landing sites, processing and/or fish markets sites better adhere to official COVID-19 disease prevention protocols

Social and Behavior Change Communication (SBCC)

The SFMP has extended airplay of the COVID-19 jingles and animations produced at the inception of the SFMP COVID-19 Response program in Q4, FY20, for another one month and three weeks respectively (see Table 3). Two radio stations in the Volta region were added to the existing 11 stations already engaged, bringing the total number of radio stations currently airing the jingles to 13. The 2 radio stations in the Volta region were added to make up for the unavailability of landing beach public address systems in the landing sites in the Volta Region.

The airing of the jingles on the 13 radio stations begun on November 24, 2020. Ghana Television started airing the animations on November 24, 2020 whereas United Television begun airing the animations on December 10, 2020 due to unavailability of airtime because of national elections. With the support of SFMP’s partners, the jingles and campaign song are still being aired at some information centers and landing beach public address systems.

Table 3: List of Radio and Television stations airing COVID-19 jingles and animations

REGION	STATION	FREQUENCY
JINGLES		
CENTRAL REGION	1. Kingdom FM 2. Ahomka FM	96.9 MHz 99.5 MHz
WESTERN REGION	1. New Day FM 2. West End FM 3. Radio 360	94.7 MHz 100.3 MHz 90.1 MHz
VOLTA REGION	1. Jubilee Radio 2. Kekeli FM 3. Sand City Radio 4. Fafaa FM	106.9 MHz 102.9 MHz 88.9 MHz 100.3 MHz
GREATER ACCRA	1. Radio Ghana 2. Latenu FM 3. Radio Ada 4. Obonu FM	95.7 MHz 93.3 MHz 96.1 MHz 96.5 MHz
ANIMATIONS		
CENTRAL REGION WESTERN REGION VOLTA REGION GREATER ACCRA	United Television (UTV) Ghana Television (GTV)	

Virtual Platform for Fishers (VPF) (Digital F-to-F)

In year six, WhatsApp platforms were created to help in the dissemination of COVID-19 SBCC materials and the selection of cash beneficiaries for the economic safety net scheme. Out of the twenty-four proposed platforms, twenty were created in quarter three of year six. An additional group consisting of members from the National Inland Canoe Fisherman Council has been created in Q1, FY21, bringing the total number of groups created to twenty-one. At the conception of the SFMP COVID-19 response program, it was thought that the virtual platform for fishers would include all segments of the fisheries sector including the industrial sub-sector. However, the three associations constituting the industrial and semi-industrial sub-sectors of Ghana's fisheries; the Ghana Tuna Association (GTA), Ghana Inshore Trawlers Association (GITA), and the Ghana Inshore Fishermen Association (GIFA) did not express interest to be part of the virtual platform for fishers (VPF). Consequently, the total number of WhatsApp groups created for dissemination of COVID-19 SBCC materials has now been limited to 21, instead of 24 groups as was originally envisaged.

The facilitation of call credit and data bundles top up to members of the platform which began in Q4, FY 20, to incentivize group activity and the dissemination of SBCC materials continued through the months of October and November and will end in December 2020. It is envisaged that the groups will be maintained through their social interests beyond the implementation of this COVID response program even when the provision of data credit ends in December 2020.

Twenty-four messages comprising COVID-19 SBCC materials, SFMP's IEC materials, reminders on the PPI survey for the selection of poor and vulnerable households, and verification of monthly data/airtime top up were shared in the group on a weekly basis in this quarter. Eighty-eight percent of the total group membership of 787 persons read these messages.

Members were regularly encouraged to share the SBCC materials with friends and family in their communities. Members of the platform continue to engage each other through text, voice messaging, and images on adhering to COVID-19 safety protocols at landing sites, fisheries issues, and on specific community concerns.

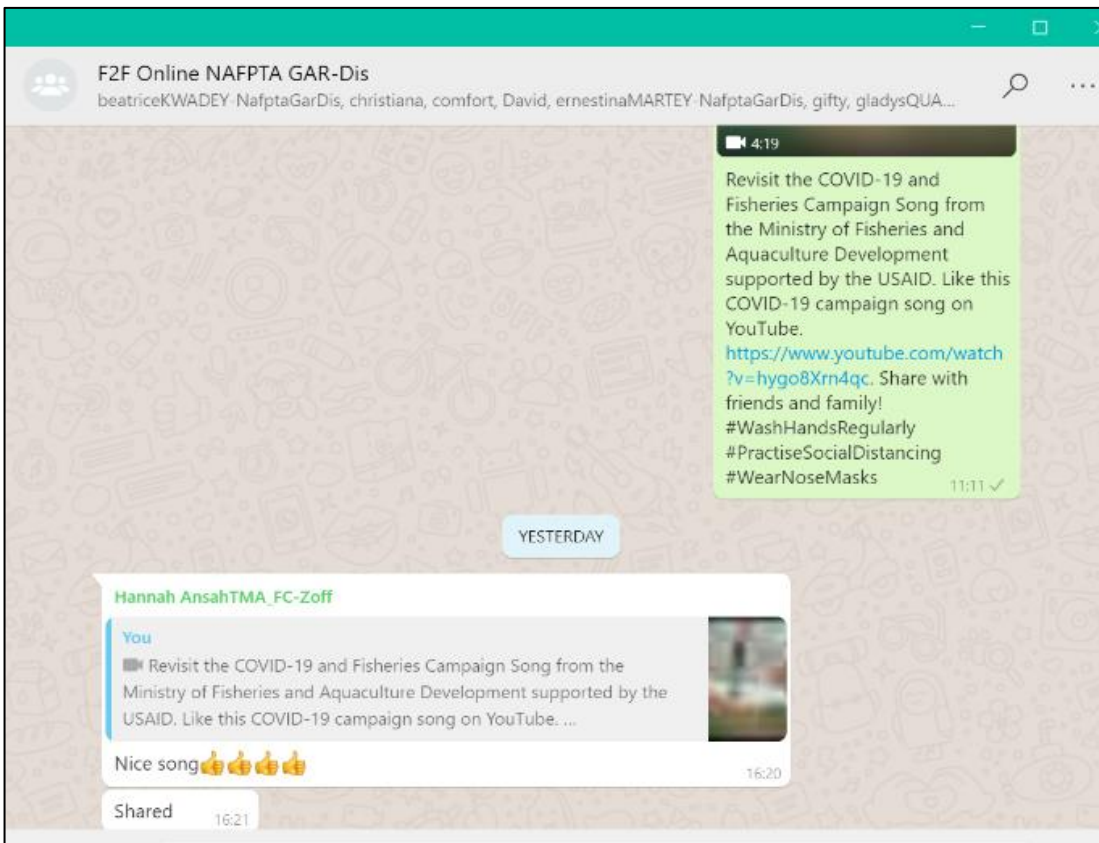
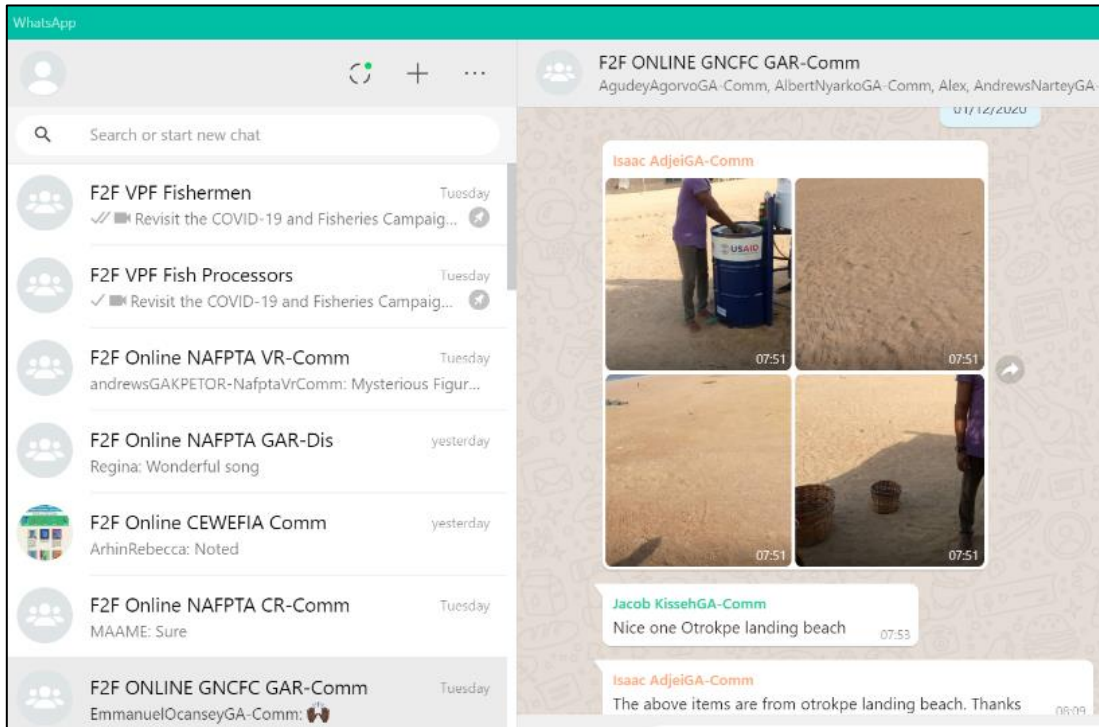


Figure 1: Screenshots of examples of discussions on some of the WhatsApp platforms

Top image: Campaign song on coronavirus posted in a group. Bottom image: A fisherman at Otokpe landing beach shares an image of himself washing his hands at a USAID branded handwashing station.

Setting up of Competition and Prizes

As part of the Social and Behavioral Change Communication (SBCC) activities, the various districts and landing beaches were informed about prizes to be won every month with respect to which community is judged to be the best in adherence to behavioral change communication messages and practicing COVID-19 safety protocols including social distancing, use of nose masks, covering of mouth with tissue while coughing or coughing into one's elbow, no embracing and bodily contact, use of alcohol based hand sanitizers, and frequent hand washing. The implementation of this competition started in Q1, FY 21, the process for selecting the best landing sites is outlined below:

1. The SFMP's Monitoring and Evaluation team through phone poll surveys of Site Advocates of the various landing sites collected data on the competition parameters (handwashing, nose mask wearing and social distancing). The phone polling asked the site advocates specific questions on these parameters to ascertain the levels of practices at the landing sites. The responses were scored on a range of 1 to 3, with 1 being the lowest score of practice and 3 being the highest score of practice.
2. Out of the 27 districts, 25 participated in the competition for November, 2020. The two other districts, Ledzokuku and Krowor, had issues with the use and management of handwashing stations on their sites and as a result, were unable to provide timely and complete data for to the Monitoring and Evaluation (M&E) unit to enable their participation in the competition.
3. The scores for the various landing sites in the 25 districts were summed up and multiplied by a predetermined weight (percentage) for each parameter (social distancing is 40%, handwashing is 30% and nose mask wearing is 30%). The landing sites were ranked based on the scores obtained.
4. The data was presented to the awards committee made up of SFMP's implementing partners and the Fisheries Commission for review. Some districts had landing sites tied for the first place position. These ties were broken by awarding the first place position to the busiest landing sites and partners' monitoring of the landing sites. This was done in consultation with zonal officers of the Fisheries Commission.

The award (A plaque and 10 plastic chairs) have been presented to the winning landing sites by IPs in collaboration with the regional offices of the Fisheries Commission.

The project continues to promote the adherence to all the COVID safety protocols by fisherfolk. All 242 landing sites supplied with handwashing stations are provided with consumables monthly. The trained community site advocates are also supported with a modest cash stipend (GHS150-200/month) to continue with the community sensitization and monitoring of the use of the handwashing stations.

Table 4: Landing sites competition winners, November 2020

Implementing Partner	List of District	Winning Site	Contact Person
DAA	Greater Accra Region 1. Ga South 2. Accra Metro	1. Oshie 2. Alata 2. Alata	Abraham Asare-0247652296
	Central Region 1. Gomoa West 2. Effutu 3. Awutu Senya East 4. Gomoa East	1. Moankoadzie 2. Akosua Village 3. Senya 4. Dampaase	
CEWEFIA	Central Region 1. Komenda Edina Eguafo Abirem 2. Cape Coast Municipal 3. Abura Asebu Kwamankese 4. Mfantsiman 5. Ekumfi	1. Anafo 2. Baka Ano 3. Apesa Mpoano 4. Krom Mpoano 5. Adoegyir	Deborah Antwi-0242110957
FON Volta Region	Volta Region 1. Ketu South 2. Keta Municipal 3. Anloga	1. Hedzranawo 2. Adzido 3. Dekufuta	Kwesi Johnson-0544858474
FON Western Region	Western Region 1. Ahanta West 2. Sekondi Takoradi Metro 3. Shama Municipal	1. Upper Dixcove 2. Ngyiresia 3. Abuesi	Nana Afua Ewur-0204794966
HEN MPOANO Greater Accra Region	Greater Accra Region 1. Ningo Prampram 2. Ada West 3. Ada East	1. Ahwiam 2. Akplabanya 3. Patukope	Kofi Agbogah-0266031882
HEN MPOANO Western Region	Western Region 1. Jomoro 2. Ellemebele 3. Nzema East	1. Old Edobo 2. Essiama 3. Sowlo	Justice Mensah-0247087753
SFMP	Greater Accra Region 1. La Dade Kotopon/Ledzokuku/Krowor 2. Tema Municipal	1. La Abese 2. Tema Awudun	Kusi Boateng-0501577436

COVID Result Area 2: Two thousand extremely vulnerable fisheries-dependent households avoid extreme poverty.

Following the development of the criteria for the selection of vulnerable and poor fisheries dependent households to benefit from the cash transfer, the representatives of the four fisheries associations – female led DAA, CEWEFIA, NAFPTA and male led GNCFC were tasked to identify 2000 households each, making a total of 4000 potential beneficiaries. The associations, however, were able to submit the names of 3,244 potential beneficiaries for various reasons including; weak coordinating capacity of the fisher associations and refusal of some communities to participate in the process. Some communities were concerned that the names were being collated so that their names could be deleted from the voter’s register which would render them ineligible for parliamentary and presidential elections which were

scheduled for December 2020.

Out of the 3244 potential beneficiaries nominated by both the women led group and the male led group independently, there was an overlap of 24 beneficiaries between the two selection processes. There was also an overlap of 570 names between data set of the 3,244 potential beneficiaries and the data set of the Livelihood Empowerment Against Poverty (LEAP). This implies that there were 570 potential beneficiaries of the LEAP program who were also nominated for the SFMP Economic Safety Net Scheme Package. The breakdown of the results of the data collected is presented in the table below:

Table 5: Data collection and results summary on cash beneficiary households

Region	Planned No. of Head of Household/ Region	No. of Head of Household Selected by GNCFC	No. of Head of Household Selected by NAFPTA/ DAA/ CEWEFIA	Total No. of Head of Households Selected	No. of Overlap between the two Selection Processes/ Region	No. of Overlap with LEAP Data Set/ Region	% overlap with LEAP Data Set/ Region
Volta	644	300	316	616	12	24	3.90%
Greater Accra	808	259	275	534	0	71	13.30%
Central	1328	512	528	1040	5	153	14.71%
Western	1220	475	579	1054	7	322	30.55%
Total	4000	1546	1698	3244	24	570	17.57%

The eligibility of the households selected as fisheries dependent, poor, and vulnerable was verified through the administration of the poverty probability index to determine the intended beneficiaries. The 24 overlaps of potential beneficiaries between the two selection processes were excluded from this test as they are deemed to be truly fisheries dependent poor and vulnerable to have been selected independently by the two methodological processes. The rest of the potential beneficiaries, consisting of 3,220 heads of households were subjected to the proxy means test to determine the additional 1,976 beneficiaries. The proxy means testing was done on the EngageSpark automated phone polling platform for beneficiaries who had their own phones, while those who used proxy phone numbers were reached by phone manually through enumerators contracted by the project.

The final list of 2,000 beneficiaries selected was based on their poverty probability score ranking of those considered most likely to be at or below the national poverty line based on their score. This list was presented to the ad hoc technical committee set up to provide guidance on the implementation of the cash transfer program at its second meeting. The members of the committee approved the list of the initial 2,000 potential beneficiary households, based on their poverty probability index (PPI) score for verification and subsequent payment of their first tranche of their Economic Safety Net Package.

In order to provide material evidence of having effected payment to approved beneficiaries it was agreed that the transfer of Economic Safety Net benefits (a cash payment) should be effected through mobile money accounts. However, it was discovered through the verification process that not all the beneficiaries selected have their own mobile money accounts. Selected and approved beneficiaries who did not have their own mobile money accounts were assisted to either obtain a new sim card and set up new mobile money accounts or use their existing numbers to set up mobile money accounts. As a result, the payment of the first tranche of the Economic Safety Net Package progressed through phases from the

second week of December 2020, involving 1,572 verified beneficiaries. The payment of first tranche of the Economic Safety Net Package will progress through this approach until all 2000 potential beneficiaries have been verified.

To facilitate automatic processing of payment to verified beneficiaries, SFMP contracted the services of a digital payment services provider, Npontu Technologies. Apart from this approach providing verifiable documentation of payment to selected beneficiaries, the mobile money cash payment approach also facilitates inclusion of the poor and vulnerable households into the evolving digital economy. Verification and payment of the first tranche of the Economic Safety Net Package for all 2000 selected beneficiaries are scheduled to be completed by the beginning of Q2, FY21.

COVID Result Area 3: Government of Ghana (GoG) has evidence on approaches for effective livelihood assistance to fishing communities affected by COVID-19.

As part of efforts to provide complementary livelihoods to fisherfolk to enable them earn extra income in the face of dwindling fish stocks and the economic impact of the COVID-19 pandemic, 100 fish processors made up of 98 women and 2 men who are members of CEWEFIA and DAA were trained on the production of handwashing soap. Each trainee was given a starter pack after the training to produce their first production line. CEWEFIA and DAA have started procuring liquid soap from these women to supply the 103 handwashing stations in their intervention zones. To date, the two partners have procured 515 liters of handwashing soap from 39 women valued at GHS 3,180.

In 2017, SFMP developed and deployed a clean fish smoking technology called the *Ahotor* smoker for use by fish processors. There are currently an estimated 580 of these ovens in use by fish processors across Ghana. In the face of dwindling fish stocks, SFMP is working with its two female led fisheries associations, DAA and CEWEFIA, who have also been equipped with training centers, to test products that can be processed on the *Ahotor* oven and have the potential to generate income for the women. Products being tested include wheat flour pastries and local delicacies made with maize and local potatoes.

SFMP also assessed the impact of COVID19 on youth in some operational areas of DAA and CEWEFIA in the Greater Accra and Central Regions of Ghana and identified the need for diversifying livelihoods for fisher folks. Twelve (12) youth within the ages of 18-35 years selected from DAA and CEWEFIA were trained from 26th – 30th October 2020 at Winneba in the Central Region of Ghana. The eleven young men and one woman were trained on Satellite TV and Air Condition Installations and Repairs. The trainees were given start up tool kits to facilitate the practice of the skills and knowledge imparted to them. In addition, ten beneficiaries have been trained and set up in Baking / Confectionery as part of diversified livelihood activities. These trainings were carried out from 16th - 20th November 2020, at CEWEFIA training center and from 16th -21st November 2020, at the DAA Training Center.

Some of the products taught include Meat pie/ fish rolls, baked chips, fried chips/ coated groundnuts, biscuits, “*achomo*” and bread (tea, wheat, sugar and brown). The rest are spring rolls, chin-chin, plain/cupcakes, fruit cookies, short bread biscuit, rock cake (rock buns) and bread rolls. The trainees were also provided with tools and equipment needed for the commencement of business activity after the training ended.

3. PROJECT MANAGEMENT

Monitoring, Evaluation, Knowledge Management and Learning

The M&E Unit of SFMP during the period under review, reviewed and finalized targets set for the COVID-19 Cost Extension. The M&E unit also reviewed inputted data into the

Development Information Solution (DIS) database system, formerly known as the Feed the Future Monitoring System (FTFMS), The M&E Unit collated and tracked implementing partner's deliverables.

A Data Quality Assessment (DQA) was conducted by Monitoring and Evaluation Technical Support Services (METSS) on SFMP monitoring, evaluation and learning system and on COVID initiative indicators that were being monitored and reported on by the M&E Unit. METSS is yet to furnish SFMP with the final report on the DQA conducted.

Under the COVID 2 result area, the M&E unit during the period under review, contracted and trained six (6) enumerators to conduct PPI surveys via Computer assisted Telephone Interviewing (CATI) for potential beneficiaries of the Economic Safety Net Scheme who could not be reached via the automatic phone polling digital platform, Engage Spark, as a result of the fact that these individual had to be reached through intermediaries. Out of 4,000 planned potential beneficiaries, 3,244 nominees were collated at the end of the identification and nomination period. These beneficiaries were selected with the assistance of members of fisheries associations; NAFPTA and GNCFC as well as members of SFMP Implementing Partners, DAA and CEWEFIA who are fish processors. The enumerators administered the Poverty Probability Index (PPI) survey questionnaires to the potential beneficiaries who had to be reached via intermediaries.

The M&E unit also furnished the Communications Unit with results of landing sites' phone poll surveys conducted once a month with site advocates in connection with selection of the best landing site, as part of the competition to award the best landing site in the practice of COVID-19 safety protocols. A total of five (5) WhatsApp platforms were created for the various site advocates assigned by each Implementing Partner. This allowed for monitoring of information on issues concerning handwashing stations and supplies. Payment of allowances for Site Advocates begun in the quarter under review and the allowances have been paid for the months of October and November.

The M&E unit also conducted spot check monitoring to a total of 18 landing sites within the Greater Accra and Volta regions. The unit will continue to collect and track the progress of activities being undertaken by implementing partners for reporting to inform decision making by project management as well as provide feedback to Implementing Partners.

As a partner on the SFMP COVID-19 intervention, CCM-UCC is supporting the SFMP M&E team in collecting data and building a database, especially for the COVID-1 and COVID-2 intervention areas. The URI and UCC team also worked together in building the database and online tracker (see Fig 2 below) for monitoring using the geo-location data of all landing beaches and major fish processing/smoking centers, as well as the baseline data on COVID-19 handwashing stations and behavioral change related knowledge, attitude and practices collected by the UCC team during the survey in July-August, 2020.

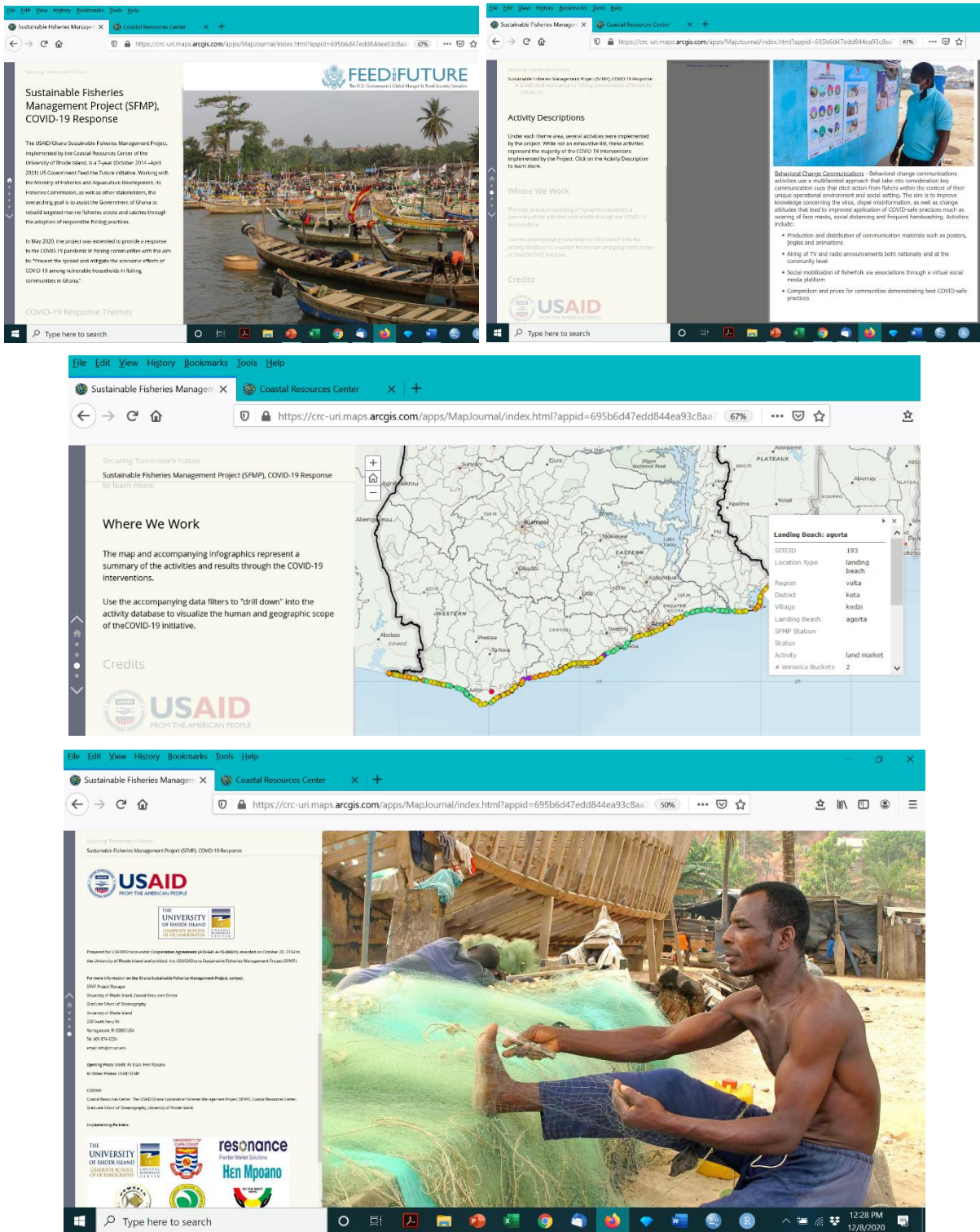


Figure 2: A Snapshot of the online tracker developed for monitoring and evaluation of the COVID-19 response activity

The geo-referenced coordinates are the project sites for the behavior change communications and where handwashing stations have also been installed. The mapper will also be used for spatial display of summary information, including summary information on the cash transfer, as well as sustainable and diversified livelihood activities. The mapper can be accessed at

<https://crc-uri.maps.arcgis.com/apps/MapJournal/index.html?appid=695b6d47edd844ea93c8aa7d69e1bf53>

In addition, the CCM is in the process of procuring organizational ArcGIS account for transfer of the online database/tracker from URI to UCC as part of sustainability considerations and arrangements.

In addition to the monitoring visits undertaken by the SFMP M&E team, the M&E Units of the SFMP Implementing partners also undertook field monitoring to assess progress of implementation of project activities. UCC embarked on periodic spot checks at landing beaches and fishing communities in the Western and Central regions on COVID-19 safe knowledge practice and attitudes. FoN also embarked on monitoring visits to 77 landing sites (48 in Volta Region and 29 in Western region) from October 28 to November 3, 2020. CEWEFIA undertook site-monitoring visits in October and November 2020 to landing sites in all the targeted project communities from Kafodzidzi in KEEA Municipality, to Otuum in Ekumfi District. The monitoring visits took the form of general observations and interactions with community site advocates. The visits aimed at:

- Assessing fisher-folks' adherence to the COVID19 prevention protocols.
- Assessing the work of the Site Advocates, discussing challenges and providing solutions where possible on challenges faced as a result of implementing activities at the landing sites.
- Collecting Site Advocates' daily monitoring sheets for hand washing stations and supplying them with consumables for the month of November 2020.

It was observed from sites visited that there were lower levels of adherence to social distancing protocols and wearing of nose masks as compared to handwashing. This confirms similar results from the phone polling. Interactions with site advocates revealed that fisherfolk believe the COVID-19 pandemic is no longer prevalent and even if it exists, their time spent at sea protects them from contracting the virus. This misconception persists in spite of the communications campaign. Site advocates also revealed that those who regularly wash their hands at the landing sites are mostly women, as the men usually seem uninterested. They lamented that access to water to fill the veronica buckets is sometimes difficult, and most of the big handwashing stations have either developed faults or corroding. The M&E team however observed that issues regarding defects on handwashing stations were being resolved, as site advocates have liaised with their respective implementing partners to contract local plumbers to resolve issues with taps and foot pedals. Painters have also been contracted to repaint the stations using antirust paint. At the time of visit, most landing sites had adequate supplies of consumables (soap and tissue).

Project Closeout

The project is progressing steadily towards final closure in April 2021. Program activities will end at the end of March. The Chief of Party and Deputy Chief of Party will stay on until end of April 2020 for administrative close out and final report preparation. The following listed positions are scheduled to end in March of 2021 and these are;

- Gender, post-harvest, and women learning initiative program specialist.
- Livelihood Specialist.
- Finance and Administrative Officer.
- Monitoring, Evaluation, Learning and MIS Database Officer.
- Assistant Monitoring, Evaluation, Learning and MIS Database Officer.
- Communications Officer.
- Assistant Communications Officer.

- Assistant Finance and Administrative Officer.
- Fisheries Officer.
- Project Driver.

Asset disposition plan prepared before the COVID extension program is currently being reviewed excluding the disposition of items already approved by the USAID to ensure that all assets of the Project are disposed of by the time the Chief of Party and Deputy Chief of Party terminate their contracts and bring the project to closure in April 2021.

All subcontracts will end on March 31st, 2021.

Implementation Challenges

The key implementation challenges relate to working in the “new normal” COVID-19 compliant environment which requires adherence to elevated hygiene and safety protocols. The nature of the COVID-19 Response intervention which is an emergency response program involving the need to respond to exigencies has resulted in work overload in almost all units of project implementation. The transport and accounts/finance exigencies have been handled through contracting of additional staff. All units have demonstrated commitment to working hard for long hours to achieve project goal and objectives under tight time constraints remaining to complete all activities and achieve targets.

4. INTEGRATION OF CROSSCUTTING ISSUES AND USAID PRIORITIES

4.1 Gender Equity and Female Empowerment

Please see Section 2, IR5 for information on activities directly related to this issue.

4.2 Sustainability Mechanisms

The involvement of key Government agencies and institutions as well as local NGOs in the implementation of SFMP activities was purposed to create some level of continuity with respect to the activities in which these local actors are involved after the project has ended. In addition, the SFMP has contributed to building human capacity within most of its Implementing Partners so that they can continue to function after the end of the project.

4.3 Environmental Compliance

In order to avoid environmental failure and safeguard the reputation of USAID, SFMP has complied with USAID environmental compliance regulations and procedures. SFMP has completed all construction activities that were funded in the original project design. No additional construction requiring environmental compliance audits are programmed in the work plan for the rest of project implementation period. All previous construction met required standards. No environmental compliance issues or needs were identified in FY7 Q1 and Y7 Q2. Activities moving forward including the COVID-19 Cost extension period from Q4 FY20 to Q3, FY21 involve disbursement of funds to poor and vulnerable households, workshops, and monitoring which fall under categorical exclusions. The annual Environmental Monitoring and Mitigation Report was prepared and submitted to USAID at the end of October along with the Annual Report.

4.4 Global Climate Change

See Section 2, IR1. Climate change could have an impact on the natural environment around the Densu, Pra and Ankobra estuaries and consequently influence modifications to the pilot Community Based Fisheries Management Plans approved with the Fisheries Co-Management

Policy. Climate change is projected to reduce maximum sustained yields of the small pelagic fisheries in the long term and could influence how quickly the fishery can recover from its collapsed state.

4.5 Policy and Governance Support

See Section 2, IR1 which describes SFMP's policy and governance support initiatives.

4.6 Local Capacity Development

See Section 2, IR7 for capacity development activities of government, producer, processor and CSO groups.

4.7 Public Private Partnerships

SFMP targets for public-private partnerships were achieved in Y5Q1.

4.8 Science and Technology

See section 2, IR 2 and IR 6 for activities on the scientific and technical innovations achieved

5. STAKEHOLDER PARTICIPATION AND INVOLVEMENT

The implementation of SFMP COVID-19 response program involved engagement of stakeholders on all fronts, especially in the COVID-2 Strategic Result Area. Stakeholders including GNCFC and NAFPTA were involved in the identification and selection of potential beneficiaries and SFMP Implementing Partners, DAA, CEWEFIA, FON and HM were tasked to liaise with the fishers in the collation of the names of potential beneficiaries. Stakeholders also played important roles in the dissemination of the Information, Education and Communication materials on COVID-19 pandemic developed by the project. Both the Ministry of Fisheries and Aquaculture Development and the Fisheries Commission were actively involved in the processes leading to the approval and gazettelement of the Fisheries Co-Management Policy.

6. MANAGEMENT AND ADMINISTRATIVE ISSUES

Apart from the adjustments necessitated by COVID-19 pandemic, staff members have handled the pressure of work with commitment to hard work under tight timelines.

7. LESSONS LEARNED

The implementation of activities related to the Economic Safety Net Scheme has taught us a big lesson related to the need to plan and frontload such activities in the implementation of projects. The limited time frame required for the implementation of the emergency response activities compounded the difficulties of identification and verification of poor and vulnerable households which is required in order to eliminate, as far as possible, incidences of "elite capture" of the Economic Safety Net package. Another lesson relates to the need to adopt in-person administration of questionnaires, especially when it involves poor and vulnerable households who have been left out in the technological development sweeping across the globe and do not even own phones or any modern gadget at all. This situation led to very slow disbursement of the first tranche of Economic Safety Net package as a large proportion of the selected beneficiaries did not have a phone or sim card registered to enable the mobile money transfer transactions. With virtual meetings part and parcel of future project implementation, there is the need to support stakeholders, especially implementing partners to have reliable internet access and connectivity and develop their skills on using virtual platforms.

8. PLANNED ACTIVITIES AND EVENTS FOR NEXT QUARTER

Selected highlights of upcoming activities in Q2, FY21, include:

IR1

- With the approval and gazette of the fisheries Co-Management Policy, four regional stakeholder engagements on the policy will take place in Q2, FY21.

IR2

- Support The Fisheries Commission for formation of the Science and Technical Committee as recommended by the Co-Management Policy.

IR3

- Close out workshop and update of SFMP Legacy set documents.
- SFMP legacy video documentary.

IR4

- Distribution of Canoe Identification Cards.
- Printing of remaining Canoe Identification Cards.
- Issue of Class 1 Certificates to processors who have passed audit.

IR5

- All planned activities have been executed and targets achieved.

IR6

- Private sector engagement targets were achieved in Y5Q1.

IR7

- All planned activities have been executed and targets achieved.

SFMP COVID-19 Response Program

COVID Result Area 1

- Landing sites competition for January and February.
- Continued playing of COVID-19 animation and jingles.

COVID Result Area 2

- Disbursement of the Economic Safety Net Package.
- Monitoring of economic safety net provided to beneficiaries.

COVID Result Area 3

- Assessment of market and fisheries supply chain disruptions.
- Implementation of remaining activities related to diversified livelihood options.

Project Management

- M&E coordination and management of final project activities.
- Finalization of the Asset Disposition Plan.
- Preparation and submission to USAID of the close out plan and its execution.

9. FINANCIAL INFORMATION

USAID/Ghana Sustainable Fisheries Management Project

University of Rhode Island Coastal Resources Center

Award Number: AID-641-A-15-00001

USAID/Ghana Total Estimated Amount: \$25,987,826

Award Period of Performance: October 22, 2014 to April 30, 2021

Budget Item	Total funds Obligated to Date Dec 31, 2020 (US\$)	Total Funds Expended to Date, through Dec 31, 2020 (US\$)	Projected Balance of Obligated Funds, Remaining as of Dec 31, 2020 (US\$)
Direct costs - SFMP	12,427,010	12,420,842	6,169
Subgrantees	9,623,283	9,158,115	465,168
Construction	387,000	307,113	79,887
Training	349,655	208,703	140,952
<i>Total Line Items</i>	22,786,948	22,094,773	692,176
Modified Direct	12,427,010	12,420,842	6,169
Indirect	3,200,878	2,993,866	207,012
Total	25,987,826	25,088,639	899,187

ANNEX A: PROGRESS SUMMARY

The summary Table below includes all standard USAID indicators as shown in Section 1.2 as well as SFMP custom indicators. It measures planned versus achieved during the reporting quarter and gives a cumulative performance in each quarter.

Table 6: PMP Indicator progress - USAID Standard Indicators and Project Custom Indicators.

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
Project Goal: Rebuild targeted fish stocks via adoption of sustainable practices and exploitation levels											
Project Goal Indicators											
Number of hectares in areas of biological significance and/or natural resource showing improved biophysical conditions as a result of USG assistance (EG 10.2-1)	Biophysical assessments, landing data, maps	2015	0	0	0	0	N/A	N/A	N/A	N/A	N/A (Tracked annually) STWG stock assessment report shows both overfishing still occurring and the stocks are considered overfished. Report indicates that small pelagic landings in 2019 are below 10% historic highs and therefore technically have collapsed.
1.a Biomass to produce MSY (B_{msy}) (Project Indicator)	Project record and surveys	2015	0	Stable or increasing	declining	N/A	N/A	N/A	N/A	Final STWG report shows biomass in continuing decline.	STWG report shows the biomass in 2019 was only at 54% of B_{msy} needed to maintain a long-term sustainable

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											exploitation of the stocks
1.b Fishing Mortality at MSY (F _{msy}) (Project Indicator)	Project record and surveys	2015	0	Stable or decreasing	Increasing	N/A	N/A	N/A	N/A	STWG report for 2019 stock assessment shows Fishing mortality continues to increase.	The current level of fishing mortality estimated at F=0.81 is well above F _{msy} =0.4 (the exfoliation level at which the stock should maintain a sustainable biomass).
Intermediate Result (IR): POLICY: Strengthened enabling environment for marine resources governance											
Number of agricultural and nutritional enabling environment policies completing the following processes/steps of development as a result of USG assistance in each case: (Project Custom Ind.) 1. Analysis 2. Stakeholder consultation/public debate 3. Drafting or revision 4. Approval (legislative or regulatory)	Copies of laws, policies, strategies, plan or regulation	2015	0	FY 2021 Target	Q1 Results					100% approved by MOFAD/FC this quarter (1 co-mgt strategy and 3 co-mgt plans) 3 already completed in previous years – CLaT, NMFMP, and Gender strategy; 1	Annual and LoP achieved. Co-mgt policy approved by cabinet, signed by the sector Minister and gazetted, and copies printed this quarter. 3 co-mgt plans signed by the FC Exec. Dir. and plans
				Fish Act – Step 3	N/A	Canceled	N/A	N/A	N/A		
				CLaT strategy – Step 4	Completed	N/A	N/A	N/A	N/A		
				Co-Management policy – Step 4	Step 4 Completed	Step 4 Completed	N/A	N/A	N/A		
				N/A	Completed	N/A	N/A	N/A	N/A		
Pra (CBMP) - Step 4	Step 4 Completed	Step 4 Completed	N/A	N/A	N/A						

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
5. Full and effective implementation				Ankobra (CBMP) - Step 4	Step 4 Completed	Step 4 Completed	N/A	N/A	N/A	cancelled – Fish Act LoP has been met	printed this quarter.
				Densu (Oyster Plan) Step 4	Step 4 Completed	Step 4 Completed	N/A	N/A	N/A		
				Gender Strategy - Step 4	Completed	N/A	N/A	N/A	N/A		
Intermediate Result (IR): SCIENCE & RESEARCH: Increased use of science and applied research to inform decision-making, law enforcement and the implementation of management plans											
Number of institutions with improved capacity to develop and implement managed access fisheries management plans	Project records, capacity assessment reports	2015	0	N/A	N/A	N/A	N/A	N/A	N/A	Final assessment for this outcome indicator completed in FY19 and compared with baselines. No further outcome assessments planned.	(89% LOP achieved) Final capacity assessment of 19 institutions in FY19 documents 17 (10 GOG and 7 CSO) with improved capacity. 2 CSO (GNCFC and NAFAG) were not able to improve their OCA scores compared to baseline.
Intermediate Result (IR): CONSTITUENCIES: Constituencies and political will for policy reform & implementation built											

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
Number of days of USG funded technical assistance in NRM and/or biodiversity provided to counterparts or stakeholders (EG 4.8.1-28)	Trip reports, project records	2015	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Y (108% LOP achieved in FY19) 3,767/3,498 days. No longer tracked.
Number of information products disseminated in local media reports, radio shows, conference papers, and research studies (Project indicator 2).	Sample of reports	2015	0	0	N/A	N/A	N/A	N/A	N/A	N/A	LoP target achieved. No longer tracked.
Intermediate Result (IR): APPLIED MANAGEMENT: Improved management of marine resources											
Number of individuals participating in USG-assisted group-based savings, micro-finance or lending programs (EG.4.2-7)	Activity records	2015	0	0	0	N/A	N/A	N/A	N/A	N/A	Y No new target for FY21. LOP target 100% achieved in FY20.
Percentage of female participants in USG-assisted programs designed to increase access to productive economic resources (GNDR-2)	VSLA participants	2020	0	2025	1688	1688	N/A	N/A	N/A	223%	Y Target over-achieved as a result of large female representation in alternative livelihood trainings held this quarter
Number of hectares under improved management practices or technologies with USG assistance (EG.3.2-25)	GIS Maps, policy documents	2015	0	611,000	0	0	0	0	N/A	0%	Y-Largely met in previous years but small pelagic closed season in 2020 was postponed until

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											2021 due to COVID-19. Canoe registration database complete, cards printed and expected to be distributed in Q2 FY21. Moratorium on new entrants not declared by MOFAD
Number of hectares of biologically significant areas under improved natural resource management as a result of USG assistance (EG. 10.2-2)	Sample survey of activity participants, activity or association records, reports from activity partners, farm records	2015	0	611,000	0	0	N/A	N/A	N/A	0%	Y Same as EG 3.2-25
Number of individuals in the agriculture system who have applied improved management practices or technologies with USG assistance (EG.3.2-24). (Note: FY19 and prior reported as E.G 3.2-17)	Project records	2015	0	10,000	0	0	N/A	N/A	N/A	0%	Y 10,000 CIC printed in FY20 and cards expected to be distributed in Q2 FY21 once software app is approved by the

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											Fisheries Commission. Replaces EG.3.2-17/ FtF 4.5.2, “Number of farmers and others who have applied new technologies or management practices as a result of USG assistance.”
Number of micro, small and medium enterprises (MSMEs), including farmers, receiving business development services from USG assisted sources (Project Indicator 3)	training participant records, lists of micro-enterprises supported	2015	0	0	0	N/A	N/A	N/A	N/A	N/A	Target achieved in FY20
Value of agriculture-related financing accessed as a result of USG assistance, a new indicator that looks at both credit and debt (loan)-related financing provided (EG.3.2-27).	Private sector financial records, program data	2015	0	0	0	N/A	N/A	N/A	N/A	N/A	Total achieved since FY15 is \$57,878 under EG.3.2-3 and \$34,998 under EG.3.2-27 (107% of LOP target). SFMP will not track this indicator after FY20. LOP is achieved and no new target set for FY21Started in FY19 in place of

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											the discontinued indicator, “Value of agricultural and rural loans as a result of USG assistance (RAA) (WOG) EG.3.2-6”
Number of members of producer organizations and community based organizations receiving USG assistance (Project Indicator 4)	Project documents	2015	0	10,000	0	0	N/A	N/A	N/A	0%	Y The Canoe Identification Card (CIC) was to be implemented (distributed) but has delayed until the new software for reading cards in the field by FC officers is completed. 10,000 cards expected to be distributed in FY21 Q2.
Number of micro, small, and medium enterprises (MSMEs), including farmers, receiving agricultural-related credit as a result of USG assistance (Project Indicator 5)	Private sector financial records, program data	2015	0	0	0	N/A	N/A	N/A	N/A	N/A	No new target for FY 21

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
Number of food security private enterprises (for profit), producers' organizations, water users' associations, women's groups, trade and business associations, and community-based organizations (CBOs) receiving USG assistance (Project Indicator 6)	Project document	2015	0	0	N/A	N/A	N/A	N/A	N/A	N/A	Y No new target for FY21. FY20 target 100% achieved
Cross Cutting Indicators											
Number of individuals participating in USG food security programs (EG.3.2) (Note: Also reported under Cov 2a and 3b)	Project document	2020	0	0	0	N/A	N/A	N/A	N/A	0%	Target achieved in FY20
Number of service providers that receive training, technical assistance, or capacity building in victim-centered and trauma-informed services (PS.5.1-24)	Progress reports from implementing partners.	2020	0	0	0	N/A	N/A	N/A	N/A	N/A	Target achieved in FY20
Number of people trained in prevention (PS.5.3-15)	Progress reports from implementing partners.	2020	0	0	0	N/A	N/A	N/A	N/A	N/A	Target achieved in FY20
COVID-19 Indicators											
Number of sites (landing beaches, processing centers or fish markets) obtaining hygiene equipment and supplies adhering to COVID-19 prevention protocols (Project indicator 7a)		2020	0	140	172	172	N/A	N/A	N/A	123%	Y - Initially assumed 300 sites and the LOP target was 80% = 240. The project is serving 242 sites in total. So the cumulative

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											target would now be 194 sites (80% of total served). One site reported in FY20 was determined to be inactive. The project meant to achieve at least 100 sites in FY20 and the remainder 140 in FY21. We should have made the FY21 target cumulative at 240. The number reported this quarter is based on data from the December 2020 survey.
Number of sites showing improvement in adherence to social distancing and other good practices (Project indicator 7b)		2020	0	300	116	116	N/A	N/A	N/A	39%	N- Based on data from the December 2020 survey. See Annex for notes on an adjustment to the methodology for calculation as sites are not followed longitudinally.

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
Number of functional Social Media Groups (Project indicator 7c)		2020	0	12 groups (450 persons)	21 groups (787 persons)	21 groups (787 persons)	N/A	N/A	N/A	175%	Y-The project meant to achieve 12 groups in FY20 and the remainder 12 groups in FY21. We should have made the FY21 target cumulative at 24. The number reported this quarter is a total of 21 groups to date. An additional group formed in FY21 Q1 brings the total to 21 groups with 787 members and an average of 88% access by group members. All groups had more than 20% access as per the definition for active. Three groups, GTA, GITA, GIFA were not interested in forming groups. No additional

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											effort will be made to set up those groups.
Number of individuals participating in USG food security programs (COV 2a and COV 3b) EG.3.2	Project documents	See above	0	2025	1688	1688	N/A	N/A	N/A	83%	Y
US\$ disbursed per household/person (Project indicator 8a)	Bank transfer data, list of beneficiaries and their household size receiving cash transfers	2020	0	\$416,000 to 2000 hh over 4 months	\$81,744	\$81,744	N/A	N/A	N/A	20%	Y – 1572 households received \$52 each (1 month payment of the anticipated 4 months payment). To date 79% of targeted households are served. Logistical challenges on mobile money registration are being addressed to continue to reach remaining beneficiaries.
% of targeted households with steady or decreasing hunger and steady or increasing diet. (Project indicator 8b)	HFIAS, MDD-W from phone poll surveys	2020	0	90%	0	N/A	N/A	N/A	N/A	N/A	Y- Baseline and trends have not been established yet due to delay in registration of all cash beneficiaries.

Indicator	Data Source	Baseline Data		FY 2021		Quarterly Status – FY 2021				Annual Performance Achieved to Date (in %)	Comment(s)
		Year	Value	Annual Cumulative Planned Target	Annual Cumulative Actual	Q1	Q2	Q3	Q4		
											Monitoring to start in Q2 Y7.
Number of methodologies for targeting and monitoring of economic assistance validated (Project indicator 8c)	Reports Validated methodology Standard Operating Procedures	2020	0	2	0	N/A	N/A	N/A	N/A	0%	Y This is planned for Q2 FY 21
Percentage of female participants in USG-assisted programs designed to increase access to productive economic resources (GNDR-2)	Grant proposals, bank transfer records, list of grants disbursed	2020	0	40%	89%	89%	N/A	N/A	N/A	223	Y Target over-achieved as a result of large female representation in alternative livelihood trainings held this quarter.
Number of livelihood approaches tested and their effectiveness (Project indicator 9)	Project reports	2020	0	2	0		N/A	N/A	N/A	0%	Y This is planned for Q2 FY 21

ANNEX B: TEAMS REPORT

This report (formerly called the TraiNet report) includes trainings conducted in this quarter and reported in the USAID TEAMS.

Table 7: Trainings Reported for the Period October 1 – December 31, 2020.

Program Name	Start Date	End Date	USAID Budget (USD)	USAID Actual (USD)	Total Male Participants	Total Female Participants	Total Participants	USAID Budget Per Participants (USD)
In-Country Training								
Soap making training, Greater Accra, Ga South, Kokrobite, DAA, Y7Q1	10/20/20	10/20/20	329	329	2	23	25	13
Baking Training, Greater Accra, Ga South, Weija, DAA, Y7Q1	11/16/20	11/21/20	953	953	0	5	5	192
Training and setting up beneficiaries in bakery/flour confectionery, Ayisa-Elmina, KEEAMA, CEW Y7Q1	11/16/20	11/20/20	1394	1394	0	5	5	279
Training of Apex Organization on liquid soap making to supply landing sites and processing facilities, Mankessim & Elmina, CEWEFIA, Y7Q1	10/13/20	10/14/20	719	719	0	44	44	16
Soap making training, Central Region, Efutu, Winneba, DAA, Y7Q1	10/22/20	10/22/20	359	359	0	25	25	14
Training and set up of 12 beneficiaries in Satellite and Air Condition , Winneba, Central, Resonance, Y7Q1	10/26/20	10/30/20	3929	3929	11	1	12	327
In Country Training Total			7683	7683	13	103	116	841

ANNEX C: FISHERIES STORIES REPORTED IN THE MEDIA (OCTOBER 2020 – DECEMBER 2020)

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
1.	News Ghana	News Item	More premix fuel for artisanal fishers – Minister https://newsghana.com.gh/more-premix-fuel-for-artisanal-fishers-minister/	Oct 1, 2020
2.	News Ghana	News Item	Chinese fishing vessel owners did not pay fine – Minister https://newsghana.com.gh/chinese-fishing-vessel-owners-did-not-pay-fine-minister/	Oct 1, 2020
3.	GhanaWeb	News Item	Residents of Keta sensitized on ongoing fish landing site construction https://www.ghanaweb.com/GhanaHomePage/business/Residents-of-Keta-sensitized-on-ongoing-fish-landing-site-construction-1075009	Oct 1, 2020
4.	GhanaWeb	News Item	Fishmongers to receive small loans under Coastal Development Authority – Bawumia https://www.ghanaweb.com/GhanaHomePage/business/Fishmongers-to-receive-small-loans-under-Coastal-Development-Authority-Bawumia-1075195?channel=D2	Oct 2, 2020
5.	Oceanographic Magazine	Feature	Ghanaian Saiko https://www.oceanographicmagazine.com/features/ghanaian-saiko/	Oct 2, 2020
6.	GhanaWeb	News Item	HealthyFoodsAfrica engages stakeholders on fishing processing and packaging https://mobile.ghanaweb.com/GhanaHomePage/NewsArchive/HealthyFoodsAfrica-engages-stakeholders-on-fishing-processing-and-packaging-1075912	Oct 2, 2020
7.	Opera News	News Item	NPP Vice Chairman in Mfantiman busted for selling subsidised outboard motors https://www.operanewsapp.com/gh/en/share/detail?news_id=59fe6228745be888bc061a85e2d36d27&news_entry_id=217f8068201006en_gh&open_type=transcoded&from=mini&request_id=share_request	Oct 6, 2020
8.	GhanaWeb	News Item	Veep promises soft loans for fisher folk and modern cold stores at Tema Fishing Harbour https://www.ghanaweb.com/GhanaHomePage/business/Veep-promises-soft-loans-for-fisher-folk-and-modern-cold-stores-at-Tema-Fishing-Harbour-1080592?channel=D2	Oct 8, 2020
9.	Ghana Web	News Item	Unavailability of anchovies affecting Tuna fishing – NAFAG https://www.ghanaweb.com/GhanaHomePage/business/Unavailability-of-anchovies-affecting-Tuna-fishing-NAFAG-1081744?channel=D2	Oct 10, 2020
10.	JoyOnline	News Item	Illegal fishing threatens sovereignty and stability of Africa nations – US Coast Guard warns https://www.myjoyonline.com/news/illegal-fishing-threatens-sovereignty-and-stability-of-africa-nations-us-coast-guard-warns/	Oct 11, 2020

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
11.	GhanaWeb	News Item	Parliamentary Select Committee to address challenges in fisheries sector https://www.ghanaweb.com/GhanaHomePage/business/Parliamentary-Select-Committee-to-address-challenges-in-fisheries-sector-1084429	Oct 14, 2020
12.	JoyOnline	News Item	Two NGOs work to secure landing sites for fishing communities https://www.myjoyonline.com/news/national/wo-ngos-work-to-secure-landing-sites-for-fishing-communities/	Oct 14, 2020
13.	JoyOnline	News Item	NDC will streamline fishing sector to ensure growth – Mahama https://www.myjoyonline.com/news/politics/ndc-will-streamline-fishing-sector-to-ensure-growth-mahama/	• Oct 14, 2020
14.	JoyOnline	News item	European Union calls on Ghana to end saiko fishing https://www.myjoyonline.com/news/national/european-union-calls-on-ghana-to-end-saiko-fishing/	• Oct 15, 2020
15.	ModernGhana	Feature	Tema Newtown Beach: The ‘New Normal’ Destroying Livelihoods https://www.modernghana.com/news/1035918/tema-newtown-beach-the-new-normal-destroying.html	• Oct 15, 2020
16.	Graphic Online	News Item	Time to focus on fish mongers https://www.graphic.com.gh/business/time-to-focus-on-fish-mongers.html	• Oct 15, 2020
17.	GhanaWeb	News Item	Pension scheme for fisher folks – Mahama trumpets https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Akufo-Addo-promised-Elmina-a-sakawa-fishing-harbour-Mahama-1087153	Oct 16, 2020
18.	GhanaWeb	News Item	Akufo-Addo promised Elmina a ‘sakawa’ fishing harbour – Mahama https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Akufo-Addo-promised-Elmina-a-sakawa-fishing-harbour-Mahama-1087153	October 18, 2020
19.	GhanaWeb	News Item	Prof. Francis Nunoo enjoins fishermen to avoid destructive fishing practices https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Prof-Francis-Nunoo-enjoins-fishermen-to-avoid-destructive-fishing-practices-1088113	October 19, 2020
20.	Peacefm Online	News item	CODA Engages Stakeholders In Fisheries Sector On Government's Interventions https://www.peacefonline.com/pages/local/news/202010/430420.php	October 21, 2020
21.	News Ghana	News Item	Healthy Food Africa project to produce additional 91,000 mt of fish https://newsghana.com.gh/healthy-food-africa-project-to-produce-additional-91000-mt-of-fish/	October 23, 2020
22.	Ghana Web	News Item	'Vote NDC to give you money to ply your trade' – Sherry Ayithey to fisherfolk https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Vote-NDC-to-give-you-money-	October 23, 2020

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
			to-ply-your-trade-Sherry-Ayittey-to-fisherfolk-1091710	
23.	Ghana web	News item	Livelihoods affected, income truncated as catches turn plastics in Ghana https://www.ghanaweb.com/GhanaHomePage/features/Livelihoods-affected-income-truncated-as-catches-turn-plastics-in-Ghana-1094527	October 27, 2020
24.	Ghana Business News	News Item	Western Naval Command launches “Exercise Sea Lion” https://www.ghanabusinessnews.com/2020/10/27/western-naval-command-launches-exercise-sea-lion/	October 27, 2020
25.	Ghana Web	News Item	Obetsebi-Lamptey Interchange 92% complete, Jamestown Fishing Harbour 15% complete https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Obetsebi-Lamptey-Interchange-92-complete-Jamestown-Fishing-Harbour-15-complete-1094956	October 28 2020
26.	News Ghana	News Item	China-aided port to boost Ghana’s fishing industry https://newsghana.com.gh/china-aided-port-to-boost-ghanas-fishing-industry/	October 29 2020
27.	Ghana Business News	News item	Ghanaian workers report alleged abuses on Chinese-owned fishing vessels https://www.ghanabusinessnews.com/2020/10/29/ghanaian-workers-report-alleged-abuses-on-chinese-owned-fishing-vessels/	October 29, 2020
28.	Modern Ghana	News Item	NDC Will Dredge Tema Fishing Harbour — Mahama https://www.modernghana.com/news/1039273/ndc-will-dredge-tema-fishing-harbour-mahama.html	October 29, 2020
29.	News Ghana	News Item	Addressing Challenges in Premix Smuggling: Perspectives from Stakeholders https://newsghana.com.gh/addressing-challenges-in-premix-smuggling-perspectives-from-stakeholders/	October 30, 2020
30.	News Ghana	News Item	Infrastructural deficiency affecting livelihood of fisher-folks- NDC https://newsghana.com.gh/infrastructural-deficiency-affecting-livelihood-of-fisher-folks-ndc/	Oct 31, 2020
31.	Graphic Online	News Item	We’re committed to keeping Ghana’s maritime domain safe - Chief of Naval Staff https://www.graphic.com.gh/news/general-news/we-re-committed-to-keeping-ghana-s-maritime-domain-safe-chief-of-naval-staff.html	Nov 03, 2020
32.	Ghana Web	News Item	National Farmers’ Day: Agric Minister lauds farmers, fisherfolks https://www.ghanaweb.com/GhanaHomePage/business/National-Farmers-Day-Agric-Minister-lauds-farmers-fisherfolks-1099879	Nov 04, 2020
33.	News Ghana	News Item	On the other side of Saiko https://newsghana.com.gh/on-the-other-side-of-saiko/	Nov 04, 2020

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
34.	Ghana Web	News Item	Chinese vessels abusing Ghana's fishing laws, watchdog alleges https://www.ghanaweb.com/GhanaHomePage/business/Chinese-vessels-abusing-Ghana-s-fishing-laws-watchdog-alleges-1099894	Nov 04, 2020
35.	Ghana Web	News Item	National Farmers' Day: Agric Minister lauds farmers, fisherfolks https://www.ghanaweb.com/GhanaHomePage/business/National-Farmers-Day-Agric-Minister-lauds-farmers-fisherfolks-1099879	Nov 04, 2020
36.	Ghana web	News Item	We don't distribute outboard motors on partisan lines – Fisheries Ministry https://www.ghanaweb.com/GhanaHomePage/business/We-don-t-distribute-outboard-motors-on-partisan-lines-Fisheries-Ministry-1100026	Nov 04, 2020
37.	Ghana Web	News Item	Fish farmer laments coronavirus impact; seeks govt support https://www.ghanaweb.com/GhanaHomePage/business/Fish-farmer-laments-coronavirus-impact-seeks-gov-t-support-1100833	Nov 05, 2020
38.	Modern Ghana	News item	There's No Food Shortage Despite Covid-19; Thank You – Akufo-Addo To Farmers https://www.modernghana.com/news/1041030/theres-no-food-shortage-despite-covid-19-thank.html	<ul style="list-style-type: none"> Nov 06, 2020
39.	Ghana Web	News Item	Korle Klottey Assembly holds maiden Farmers Day Celebration https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Korle-Klottey-Assembly-holds-maiden-Farmers-Day-Celebration-1103266	Nov 08, 2020
40.	Modern Ghana	News Item	Stolen At Sea: An Investigation Into Illegal Chinese Transshipment Activities In Ghana And Nigeria https://www.modernghana.com/news/1041881/stolen-at-sea-an-investigation-into-illegal-chine.html	November 10, 2020
41.	Ghana Web	News Item	EJF, Hen Mpoano launches mobile App to fight illegal fishing https://www.ghanaweb.com/GhanaHomePage/business/EJF-Hen-Mpoano-launches-mobile-App-to-fight-illegal-fishing-1106866	November 12, 2020
42.	Broadcast Ghana	News Item	BREAKING NEWS: Dozens of Fishermen Fighting for Their Lives as Premix Fuel Outlet Catches Fire https://broadcastghana.net/breaking-news-dozens-of-fishermen-fighting-for-their-lives-as-premix-fuel-outlet-catches-fire-see-photos/	November 12, 2020
43.	Ghana Web	News Item	Ocean acidity pollution and sea rise robbing livelihood of west side coastals https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Ocean-acidity-pollution-and-sea-rise-robbing-livelihood-of-west-side-coastals-1107874	November 13, 2020
44.	Joy Online	News Item	US government committed to helping Africa enhance maritime security – Commanding officer of Navy ship https://www.myjoyonline.com/news/national/us-government-committed-to-helping-africa-	<ul style="list-style-type: none"> November 14, 2020

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
			enhance-maritime-security-commanding-officer-of-navy-ship/	
45.	Ghana Web	News Item	NEDS projects to diversify export market for tuna, less emphasis on EU https://www.ghanaweb.com/GhanaHomePage/business/NEDS-projects-to-diversify-export-market-for-tuna-less-emphasis-on-EU-1108699	November 14, 2020
46.	News Ghana	News Item	Maritime stakeholders want political parties to address sector issues https://newsghana.com.gh/maritime-stakeholders-want-political-parties-to-address-sector-issues/	November 15, 2020
47.	Ghana Web	News Item	Ursula supports fishmongers in Ablekuma West https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Ursula-supports-fishmongers-in-Ablekuma-West-1112806	November 19, 2020
48.	News Ghana	News Item	Rapid beachfront development calls for comprehensive land use planning along the coast – Korli https://newsghana.com.gh/rapid-beachfront-development-calls-for-comprehensive-land-use-planning-along-the-coast-korli/	November 19, 2020
49.	Ghana Web	News Item	Fishery experts push for securing, mapping of fish landing sites https://www.ghanaweb.com/GhanaHomePage/NewsArchive/Fishery-experts-push-for-securing-mapping-of-fish-landing-sites-1113802	November 20, 2020
50.	Modern Ghana	News Item	Three Injured In Fire Outbreak At Sekondi Fishing Bay https://www.modernghana.com/news/1044248/three-injured-in-fire-outbreak-at-sekondi-fishing.html	<ul style="list-style-type: none"> November 20, 2020
51.	Modern Ghana	News Item	Tema: Chief Fisherman Suspended For Campaigning For Mahama https://www.modernghana.com/news/1044254/tema-chief-fisherman-suspended-for-campaigning.html	November 20, 2020
52.	Ghana Web	News Item	Fishery sector stakeholders want quality governance to secure landing sites https://www.ghanaweb.com/GhanaHomePage/business/Fishery-Sector-stakeholders-want-quality-governance-to-secure-landing-sites-1113646	November 20, 2020
53.	Business Ghana	News Item	Mobile App to track illegal fishing launched https://www.businessghana.com/site/news/general/227377/Mobile-App-to-track-illegal-fishing-launched	November 24, 2020
54.	Joy Online	News Item	NEDS projects \$1.1bn revenue from fish exports by 2029 https://www.myjoyonline.com/business/neds-projects-1-1bn-export-revenue-for-fishery-products-by-2029/	<ul style="list-style-type: none"> November 24, 2020
55.	Joy News	News Item	JoyNews investigations uncover resurgence of hoarding and sale of premix fuel in parts of Central, Western Regions	November 24, 2020

PLATFORM/ MEDIA HOUSE		SEGMENT / TYPE	TOPIC/ISSUE/LINK	DATE OF PUBLICATION
			https://www.myjoyonline.com/news/national/joynews-investigations-uncover-resurgence-of-hoarding-and-sale-of-premix-fuel-in-parts-of-central-western-regions/	
56.	Ghana Web	News Item	Professor criticises registration of canoes against stopping foreign trawlers https://www.ghanaweb.com/GhanaHomePage/business/Professor-criticises-registration-of-canoes-against-stopping-foreign-trawlers-1117094?channel=D2	November 24, 2020
57.	Ghana Web	News Item	KEEA parliamentary candidates promise to stop 'saiko' https://www.ghanaweb.com/GhanaHomePage/regional/KEEA-parliamentary-candidates-promise-to-stop-saiko-1118564	November 25, 2020
58.	Peace FM Online	News Item	Ghana Needs Urgent Actions To Save Fisheries Sector – Prof. Akpalu https://www.peacefmonline.com/pages/local/news/202011/433370.php	November 26, 2020
59.	Ghana News Agency	News Item	Fisheries sector crisis is a national security threat - Prof Akpalu https://www.gna.org.gh/1.19278869	<ul style="list-style-type: none"> November 26, 2020
60.	Business Ghana	News Item	Gov't urged to protect landing sites https://www.businessghana.com/site/news/business/227819/Govt-urged-to-protect-landing-sites	November 28, 2020
61.	Graphic Online	News Item	300 Women trained on alternative livelihood https://www.graphic.com.gh/business/300-women-trained-on-alternative-livelihood.html	December 01, 2020
62.	All Africa	News Item	Ghana's Fish Landing Sites Under Threat - FoN https://allafrica.com/stories/202012030630.html	December 03, 2020
63.	National Geographic	News Item	In rare show of solidarity, 14 key nations commit to protect oceans https://www.nationalgeographic.com/environment/2020/12/in-rare-show-of-solidarity-14-key-nations-commit-to-protect-oceans/	December 04, 2020
64.	Modern Ghana	News Item	Premix fuel 'thieves' warned https://www.modernghana.com/news/1047748/premix-fuel-thieves-warned.html	December 04, 2020
65.	Graphic Online	Newspaper Feature	Dark side of fishing: Making institutions accountable https://www.graphic.com.gh/features/features/dark-side-of-fishing-making-institutions-accountable.html	December 09, 2020
66.	Business Ghana	News Item	Chemical adulteration of fish widespread — Research https://www.businessghana.com/site/news/general/228569/Chemical-adulteration-of-fish-widespread-Research	December 09, 2020

ANNEX D: RECENT PUBLICATIONS PUBLISHED ONLINE

- Coastal Resources Center. (2020). **USAID Supports Ghana's First Closed Season for Artisanal Fishers**. The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography University of Rhode Island. GH2014_COM1000_CRC. 2 pp. https://www.crc.uri.edu/download/GH2014_COM1000_CRC.pdf
- Robadue, D., editor. (202). **A Compilation of Success Stories: 2014- 2020**. The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode. GH2014_COM106_CRC. 58 pp. https://www.crc.uri.edu/download/GH2014_COM106_CRC_FIN508.pdf
- Coastal Resources Center. (2020). **Year 6 Amended and COVID Response Cost Extension Period Work Plan. October 1, 2019 – Sept 30, 2020**. USAID/Ghana Sustainable Fisheries Management Project. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_PGM344_CRC. 80 pp. https://www.crc.uri.edu/download/GH2014_PGM344_CRC_FIN508.pdf
- Coastal Resources Center. (2020). **Annual Progress Report. October 1, 2019 to September 30, 2020**. USAID/Ghana Sustainable Fisheries Management Project. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_PGM345_CRC. 108 pp. https://www.crc.uri.edu/download/GH2014_PGM345_CRC_FIN508.pdf
- Coastal Resources Center. (2020). **Year 7 Work Plan. October 1, 2020 – April 30, 2021**. USAID/Ghana Sustainable Fisheries Management Project. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_PGM348_CRC. 61 pp. https://www.crc.uri.edu/download/GH2014_PGM348_CRC_FIN508.pdf
- Coastal Resources Center. (2020). **Environmental Mitigation and Monitoring Annual Report. October 1, 2019- September 30, 2020**. The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island and Hen Mpoano. GH2014_PGM349_CRC. 14 pp. https://www.crc.uri.edu/download/GH2014_PGM349_CRC_FIN508.pdf
- Coastal Resources Center. (2020). **Monitoring and Evaluation Plan (Revised July and Updated November, 2020)**. The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_PGM351_CRC. 150 pp. https://www.crc.uri.edu/download/GH2014_PGM351_CRC_FIN508.pdf
- Lazar, N., Yankson, K., Blay, J., Ofori-Danson, P., Markwei, P., Agbogah, K., Bannerman, P., Sotor, M., Yamoah, K. K., Bilisini, W. B. (2020). **Status of the small pelagic stocks in Ghana in 2019. Scientific and Technical Working Group**. USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_SCI083_CRC. 17 pp. . https://www.crc.uri.edu/download/GH2014_SCI083_CRC_FIN508.pdf
- Lazar, Najih, Darko, Charles, Ansong, Ernest, Boateng, Kusi. (2020). **Assessing the Biological Effects of the Fisheries Closed Season Implemented for the Artisanal**

- and Semi-Industrial Fisheries in Ghana, 2019.** USAID/Ghana Sustainable Fisheries Management Project. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_SCI077_CRC. 23 pp.
https://www.crc.uri.edu/download/GH2014_SCI077_CRC_FIN508.pdf
- Ofori-Danson, P.K., Asiedu, B., Amponsah, S.K.K., Crawford, B. (2019). **Assessment of the Socio-Economic, Food Security and Nutrition Impacts of the 2019 Canoe Fishery Closed Fishing Season in Ghana.** USAID/Ghana Sustainable Fisheries Management Project. Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_SCI076_CRC. 109 pp.
https://www.crc.uri.edu/download/GH2014_SCI076_CRC_FIN508.pdf
- Scientific and Technical Working Group (STWG). (2020). **Report on the Scientific and Technical Working Group (STWG) Meeting – July 28-29, 2020.** The USAID/Ghana Sustainable Fisheries Management Project (SFMP). Narragansett, RI: Coastal Resources Center, Graduate School of Oceanography, University of Rhode Island. GH2014_SCI075_CRC. 12 pp.
https://www.crc.uri.edu/download/GH2014_SCI075_CRC_FIN508.pdf

ANNEX E: TRENDS ANALYSIS OF THE COVID SAFE PRACTICE SCORE AND INDICATOR 7A AND 7B

A single phone poll directed at all SFMP site advocates is the basis for deriving each of the indicator results described below. The site advocates (volunteers that oversee the handwashing stations and supplies at each site and receive a small monthly stipend to keep supplies adequate) are phone polled monthly using IVR – interactive voice response, and person to person computer assisted phone polling- on six core questions. Each of the indicators combines qualitative scores on a number of responses to these questions concerning COVID-Safe practices at a site level (beach or fish landing site, fish market site and or fish processing site, not a measure at an individual or personal scale). These are practices that the SFMP COVID social and behavior change communications program is trying to influence, and where SFMP is providing hand washing stations and supplies of soap and water for a period of several months (at approximately 300 sites).

SURVEY QUESTIONS:

1. How many veronica buckets or washing stations are there at your site?
2. Did the veronica bucket hand washing stations have a supply of water and soap today?
3. They are being used by how many people in the site?
4. Are people staying 6 feet apart from each other, especially when fish are being landed, processed or sold?
5. How many people are wearing face masks?
6. The people using the handwashing stations today was...

Score	Response
	1 – number of veronica buckets
0	0 (none) veronica buckets
1	>0 (one or more) veronica buckets
	2 – supply of soap and water
0	Soap or water not enough, or answer to D1 = 0
1	Soap and or water is running low
2	Soap and water adequate
	3- level of usage of veronica buckets by people
0	Few or none, or answer to D1 = 0
1	About half
2	Most
	4- degree of social distancing
0	Few or none
1	About Half
2	Most
	5 – degree of face mask usage
0	Few or none
1	About Half
2	Most
	6 – gender dimension to handwashing station use
0	Mostly Men
0	Mostly Women
1	About an equal number of men and women

COVID Safe Practice Score (CSPS): The CSPS is a non-PMP indicator tracked for purposes of the COVID activity mapper. It totals the score for all 6 questions and scores the site as adequate if the score is greater than or equal to 5 out of a potential total score of 10.

Differences between the COVID-Safe Practice Score over the three time periods of October, November and December are statistically significantly different. Differences between December and November are statistically significant (at the $p < 0.05$ level) with Dec being higher (higher mean COVID safe practice score) and Dec and Nov significant at the $p < 0.10$ level.

Covid safe practice score			
time period	Mean	N	Std. Deviation
December 2020	5.96	212	1.978
November 2020	5.23	211	1.992
October 2020	5.55	204	2.008
Total	5.58	627	2.012

ANOVA Table							
			Sum of Squares	df	Mean Square	F	Sig.
Covid safe practice score * time period	Between Groups	(Combined)	57.334	2	28.667	7.221	.001
	Within Groups		2477.186	624	3.970		
	Total		2534.520	626			

Multiple Comparisons, Tukey HSD, Dependent Variable: Covid safe practice score						
(I) time period numeric	(J) time period numeric	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
10.00	11.00	.326	.196	.218	-.13	.79
	12.00	-.408	.195	.093	-.87	.05
11.00	10.00	-.326	.196	.218	-.79	.13
	12.00	-.735*	.194	.000	-1.19	-.28
12.00	10.00	.408	.195	.093	-.05	.87
	11.00	.735*	.194	.000	.28	1.19

*. The mean difference is significant at the 0.05 level.

Independent-Samples Kruskal-Wallis Test Summary	
Total N	627
Test Statistic	12.437 ^a
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.002

a. The test statistic is adjusted for ties.

K-W Test Pairwise Comparisons of time period					
Sample 1-Sample 2	Test Statistic	Std. Error	Std. Test Statistic	Sig.	Adj. Sig. ^a
November 2020-October 2020	-31.715	17.604	-1.802	.072	.215
November 2020-December 2020	61.475	17.434	3.526	.000	.001
October 2020-December 2020	29.760	17.584	1.692	.091	.272
Each row tests the null hypothesis that the Sample 1 and Sample 2 distributions are the same. Asymptotic significances (2-sided tests) are displayed. The significance level is .05.					
a. Significance values have been adjusted by the Bonferroni correction for multiple tests.					

Project Indicator 7a: Number of sites (landing beaches, processing centers or fish markets) obtaining hygiene equipment and supplies adhering to COVID-19 prevention protocols (Project indicator 7a).

Precise Definition(s):

This indicator measures the number of sites provided with adequate hygienic equipment and supplies that are adhering to COVID-19 prevention protocols (handwashing). Equipment and supplies may include a handwashing station with bucket, a bucket stand, soap and tissues. The score for this indicator is dichotomized. Adequate means the sites had at least one veronica bucket (question 1) and a score greater than zero on the handwashing supplies (question 2). Otherwise they are considered inadequate. “Adhering” means a score greater than zero on usage (question 3). The data can also be disaggregated by the score on each question.

Targets: FY20 – 140 sites, FY 21 – 100 sites, Total 240 sites. The target was meant to represent 80% of the universe of 300 sites originally assumed.

Results: Averaging across the three months in Q1 where data was collected, shows that 56.3 % of sites surveyed that have been provided adequate handwashing stations and supplies are adhering to COVID-safe handwashing practices. As SFMP is supporting 242 sites, and extrapolating from the sites sampled, that translates to 136 sites. Trends data on Indicator 7a is provided below and shows significant changes over time. The number of sites adhering to COVID safe handwashing practices in December was higher than the previous two months (October and November) with a percentage adhering at 71.2 percent, extrapolating to approximately 172 sites adhering.

handwash_supp_adequate_pro_ind_7a					
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Adhering	353	56.3	56.3	56.3
	Not adhering	274	43.7	43.7	100.0
	Total	627	100.0	100.0	

handwash_supp_adequate_pro_ind_7a * time period Crosstabulation

		time period			Total
		December 2020	November 2020	October 2020	
Adhering	Site Count	151	97	105	353
	% within time period	71.2%	46.0%	51.5%	56.3%
Not adhering	Site Count	61	114	99	274
	% within time period	28.8%	54.0%	48.5%	43.7%
Total	Site Count	212	211	204	627
	% within time period	100.0%	100.0%	100.0%	100.0%

Chi-Square Tests			
	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	30.281 ^a	2	.000
Likelihood Ratio	31.014	2	.000
N of Valid Cases	627		

Indicator 7b: Number of sites showing improvement in adherence to social distancing and other good practices (Project indicator 7b).

Precise Definition: This indicator will measure the number of sites showing improvement in social distancing (people staying six feet apart from each other), and other good practices such as wearing of nose masks. The score for this indicator is a summation of the scores on questions number 4 and 5 with a range from 0-4.

“Improvement” means an increase in the average COVID-safe practice Index for a site over its baseline.

NOTE: We cannot measure improvement as originally envisioned in this definition following each site over time. This is because not all sites report data via the phone polling and it varies as to which sites report from month to month. We can measure changes in the mean score of all the sites for which there is data each month over time or redefine the indicator similar to how 7a is calculated, whereby we dichotomize an adhering/not adhering score and the extrapolate number of sites adhering. If we just do a summation of the two questions and scoring on the COVID safe practice score question of social distancing and wearing of face masks, the range of scores is 0-4. We can say that a score of 2 or greater is adhering, calculate the percent adhering and extrapolate to number of sites.

Using this type of scoring and definition then, 48.6 percentage of the sites had a score of 2 or greater and therefore extrapolating from 242 total sites, 118 sites adhered to other good practices (social distancing and face masks). There is no statistically significant difference between the three time periods (Oct, Nov, Dec). Note that number of sites adhering to other safe practices is considerably less than those adhering to handwashing practices (Indicator 7a). This is consistent with direct observations and statements of key informants that individuals are more compliant with handwashing as it is easier to do if supplies and handwashing facilities are available than social distancing and wearing face masks. Handwashing is a longstanding good hygiene practice promoted by public health officials and

among fish processors for safe fish handling, therefore, this may explain why the scores on handwashing are higher.

Ind 7b dicotomized				
		Frequency	Percent	Cumulative Percent
Valid	Adhering to Other COVID Safe Practices	305	48.6	48.6
	Not Adhering to Other COVID Safe Practices	322	51.4	100.0
	Total	627	100.0	

Ind 7b dicotomized * time period Crosstabulation					
		time period			Total
		Dec 2020	Nov 2020	Oct 2020	
Adhering to Other COVID Safe Practices	Count	102	102	101	305
	% within time period	48.1%	48.3%	49.5%	48.6%
Not Adhering to Other COVID Safe Practices	Count	110	109	103	322
	% within time period	51.9%	51.7%	50.5%	51.4%
Total	Count	212	211	204	627
	% within time period	100.0%	100.0%	100.0%	100.0%

Chi-Square Tests			
	Value	df	Asymptotic Significance (2-sided)
Pearson Chi-Square	.093 ^a	2	.955
Likelihood Ratio	.093	2	.955
N of Valid Cases	627		

Project indicator 7b				
time period	Mean	N	Std. Deviation	Median
December 2020	1.47	212	1.347	1.00
November 2020	1.55	211	1.367	1.00
October 2020	1.61	204	1.490	1.00
Total	1.54	627	1.400	1.00

ANOVA Table^a							
			Sum of Squares	df	Mean Square	F	Sig.
Project indicator 7b * time period	Between Groups	(Combined)	2.215	2	1.107	.564	.569
	Within Groups		1225.498	624	1.964		
	Total		1227.713	626			

a. The grouping variable time period is a string, so the test for linearity cannot be computed.

Independent-Samples Kruskal-Wallis Test Summary	
Total N	627
Test Statistic	.678 ^{a,b}
Degree Of Freedom	2
Asymptotic Sig.(2-sided test)	.712