

## Mid-year Progress report on Fish Abundance and Diversity Monitoring (FADM) in Thailand - 2022

### REPORTING FORMAT

<b>1. Project Title:</b>	Fish Abundance and Diversity Monitoring (FADM) in Thailand – 2022
<b>2. Research Institution:</b>	Inland Fisheries Research and Development Division, Department of Fisheries, Thailand
<b>3. Project Staff:</b>	Mr. Deeka Ratanachamnong (Project leader) Mr. Kosol Sriputinibondh Mr. Tanit Tippayamongkonkhun Ms. Aunyarin Chounbun Mr. Worapat Horjalearn Ms. Paweena Jittamt
<b>4. Reporting period:</b>	From: January 2022                      To: June 2022

### 5. Progress summary

ActNo.	Progress / achievements	Planned Date**	Completed Date	Status*	Causes of Delay or problem	Suggestion/ Comments
<b>Output 1: Data on fisher catch rate (CPUE), fish abundance and diversity in the Mekong River and its major tributaries, collected.</b>						
Activity 1.1 Prepare equipment and organize start up workshop with fishers.	<ul style="list-style-type: none"> <li>• Sampling equipment's were made available for fishers; and start up workshops with fishers were organized.</li> </ul>	January 10 - February 28, 2022	January 15-31, 2022	1	-	-
Activity 1.2 Collect data (as indicated in the logbook) routinely at all sites.	<ul style="list-style-type: none"> <li>• Data indicated in the logbook were collected from 5 monitoring sites at Chiang Khan District, Loei Province, Tha Bo District, Nong Khai Province, Tha Uthen District, Nakhon Phanom Province, Si Songkhram District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province from February to May, 2022.</li> </ul>	February 1 - May 31, 2022	May 31, 2022	3	-	-
1.3. Conduct quarterly visit to all sites to discuss with fishers in order to improve data collection activities and assess the monitoring programme implementation as well as to collect recorded logbooks from fishers.	<ul style="list-style-type: none"> <li>• Staff who responsible for 5 monitoring sites at Chiang Khan District, Loei Province, Tha Bo District, Nong Khai Province, Tha Uthen District, Nakhon Phanom Province, Si Songkhram District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province visit and discuss with fisher to improve data collection in the area in May, 2020.</li> </ul>	May 1-31, 2022	May 31, 2020	3	-	-

ActNo.	Progress / achievements	Planned Date**	Completed Date	Status*	Causes of Delay or problem	Suggestion/ Comments
Activity 2.1 Check field recorded data in the logbook and enter the data into the database.	<ul style="list-style-type: none"> <li>Staff who responsible for 5 monitoring sites at Chiang Khan District, Loei Province, Tha Bo District, NongKhai Province, Tha Uthen District, Nakhon Phanom Province, Si Songkhram District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province checked field recorded data collected in February – May, 2022.</li> </ul>	February 1- May 31, 2022	Check field recorded data during January 1 – May 31, 2022	3	-	-
	<ul style="list-style-type: none"> <li>Field recorded in the logbook data from February 1 to May 31, 2022 were entered into the database.</li> </ul>	February 1- May 31, 2022	May 31, 2022	3	-	-
Activity 2.2 Check data in the database for errors and fix/clean them	<ul style="list-style-type: none"> <li>Data in the database from the period of February to April 2020 of 5 monitor sites at Chiang Khan District, Loei Province, Tha Bo District, Nong Khai Province, Tha Uthen District, Nakhon Phanom Province, Si Songkhram District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province were checked for errors and, thereafter, were fixed/cleaned.</li> </ul>	February 1- May31, 2022	May 31, 2022	3	-	-
Activity 2.3 Process and analyze the data for preparing mid-year progress and annual reports	Mid-year meeting of all staff who responsible in the project were organized for processed and analysed the data for preparing mid-year progress reports.	June 1-30, 2022	June 4, 2022	3	-	-
Activity2.4 Update new fish photos in the photo flipchart and specie names	Species of the caught were checked, identified and compared to the photo flipchart.	February 1- May31, 2022	May 31, 2022	3	-	No new species found.

ActNo.	Progress / achievements	Planned Date**	Completed Date	Status*	Causes of Delay or problem	Suggestion/ Comments
<b>Output 3: Monitoring of multi-panel mesh size gillnet</b>						
3.1. Select and train fishers	Prepare equipment and organize 3 monitoring sites (Mekong River mainstream) at Chiang Khan District, Loei Province, Tha Uthen District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province. Preparing equipment and organize start up workshop with fishers.	January 10- February 28, 2022	February 12, 2022	1	-	-
3.2. Monitoring of multi-panel mesh size gillnet	Data collected from 3 monitoring sites (Mekong river mainstream) at Chiang Khan District, Loei Province, Tha Uthen District, Nakhon Phanom Province, and Khong Chiam District, Ubon Ratchathani Province.	February 1- May 31, 2022	May 31, 2022	3	-	Mekong rivers had strong current on the June, So the fishers couldn't set up multi-panel mesh size gillnets on the middle of river. Moreover, the multi-panel was broken from the garbage and wood; thus, the fisher couldn't catch the fish.
3.3. Site visit discuss and check data record with fishers to assess the monitoring status and collect the logbook	Site visit conduct for discuss and check data record with fishers.	February 1- May 31, 2022	May 31, 2022	3	-	Site visit conduct for discuss and check data record with fishers on March, 2022
3.4. Checking, data entry and clean	Data checked and cleaned from fisher	February 1- May 31, 2022	May 31, 2022	3	-	Data checked and cleaned on May, 2022.

ActNo.	Progress / achievements	Planned Date**	Completed Date	Status*	Causes of Delay or problem	Suggestion/ Comments
<b>Output 4: Mid -year and annual reports submitted/accepted</b>						
Activity 4.1: Prepare and submit mid-year progress reports both hard and soft copies to ED via TNMC.	The mid-year progress reports were prepared and submitted with both hard and soft copies to ED via TNMC.	December 30, 2022	-	X	-	-

\*Status:1=fully completed, 2=75% completed, 3=50% completed, 4=25% completed, X= not yet start

## 6. Database record to date

*Please provide a number of records (fishing date) each month relating to each fisher in the database*

Fisher	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	22	21	24	27	27							
2	27	26	31	27	31							
3	29	24	25	27	24							
4	20	20	20	21	20							
5	25	27	22	21	21							
6	19	20	20	21	21							
7	17	22	25	24	26							
8	24	20	23	20	22							
9	28	27	30	29	29							
10	24	18	22	18	24							
11	24	23	22	21	23							
12	21	19	22	22	22							
16	16	28	21	29	29							
17	25	27	30	28	30							
18	28	27	31	28	30							

## 7. Database error checking

*Please provide specific error that you found during entering the data.*

## 8. Fisher perception on their catch rate

*Please summaries fisher perceptions of each site about important factors affecting their catch rates (e.g. changes in fishing effort, fishing practices, and environmental factors).*

1. From the COVID 19 pandemic situation effect to the fisher cannot sale the fish to the restaurant.
2. The water level was low and strong water current effect to catch fish was low in the dry season.
3. The number of illegal fishing which used in the sites is quite stable. By the way we found some neighbor fishers used some of illegal gears especially the electro fishing.

4. Most of the sites weren't the same. The tributary and floodplain sites were many algae and weeds spread around the tributary in the Tha Bo district, Nong Khai Province and in the Tha-Uten district Nakhon Phanom province. The effect from the low water level in dry season and the changed area to agriculture.

5. The water level was lower than five years ago because there are short rainy season most of the site.

6. The effect from the water level was varied, fish catch was changed and COVID 19 situation, the fisher switch to another occupation.

**9. Priority tasks during next reporting period:**

1. Complete Data collection at all monitoring sites (activity 1.2). (June – December, 2022)
2. 3<sup>rd</sup> Conducting quarterly visit to all sites to discuss with fishers to improve data collection activities and assess the monitoring programme implementation as well as to collect recorded logbooks from fishers (activity 1.3).
3. Entering data of June – December, 2022 into the database (activity 2.1).
4. Checking data in the database for errors and fix/clean data of October, 2022 (activity 2.2).
5. Updating new fish photos in the photo flipchart and specie names (activity 2.4).
6. Monitoring of multi-panel mesh size gillnet from 3 monitoring sites (activity 3.2-3.4).
7. Preparing and submitting Annual report both hard and soft copies to ED via TNMC. (activity 4.1)

**Prepared by:**



Signature: .....

Name & Position: Mr.Kosol Sriputinibondh

Date: .....18 July 2022.....

**Approved by:**



Signature: .....

Name & Position: Mr.Deeka Ratanachamng

Date: .....18 July 2022.....