

15th National Convention on Statistics

**Location-Based Listing Operation as Applied in the
2021 Listing of Marine Fish Landing Centers in the Philippines**

by

**Michelle G. Santiago
Meiji Noreen O. Centeno**

I. Introduction

As the Philippine Statistics Authority's part of ceaseless efforts towards improving the fisheries surveys and statistics and adapting the emerging technological innovations, kicked off into implementing a new data collection method which includes both geotagging and listing activities. This location-based listing operation aims to enhance the development process of the existing statistical sampling frame for the quarterly commercial and municipal fisheries surveys in the Philippines. The current sampling frame used for the quarterly fisheries surveys are in varying years by region from 2005 to 2013. This frame updating is necessary to keep up with the fast-changing fisheries sector prior to the implementation of the redesigned surveys.

With the availability of digitized census maps that can be integrated in the Computer Assisted Personal Interviewing (CAPI) system, the relative location of marine fish landing center in the ground (i.e., x and y coordinates) for all provinces in the country can be captured and subsequently be linked to the statistical information collected simultaneously during the conduct of listing operation. Generally, the process generates sampling unit information (i.e., marine fish landing center) with integrated geospatial and statistical information to produce richer and meaningful insights and data analysis using interactive dynamic maps and intelligent data visualization.

This innovative data collection method attempts to present and illustrate the procedures used in the implementation of map-based or location-based listing operation.

II. Scope and Coverage

In this activity, the basic enumeration unit is the landing center which is considered as a designated place where unloading and trading of fish catch, and other aquatic products are conducted.

In this geotagging and listing operation, only cities and municipalities with marine landing centers in the merged list frame from Bureau of Fisheries and Aquatic Resources (BFAR) and list frame of PSA will be covered. This aims to generate statistical information mainly through collecting the following information:

- Type of Landing Center
- Average Daily Unloading (ADU)
- Peak Unloading Time
- Peak and Lean Unloading Months

Data Items

Specifically, the following are the data items collected during the 2021 location-based operation:

- a. Landing Center Category
- b. Name of Landing Center
- c. Address of Landing Center
- d. Type of Landing Center
- e. Status of Landing Center
- f. Average Daily Unloading (ADU) for Peak and Lean Months; and

For landing centers that are temporarily close, the date of last operation and expected date to operate are also included.

For the landing centers with status of existing and operational, several data items will also be collected to five key informants (fisherman/boat owner/operator, office/member of the fisherfolk organization all about the landing center) such as:

- a. Number of boats usually unloading fish per day (for both peak and lean month/s)
- b. Average volume of unloaded fish per day per boat in kilograms (for both peak and lean month/s)

For the landing center official, the average volume of unloaded fish per day in kilogram for the whole landing center for both peak and lean months will also be collected.

III. Operational Procedures and Instruments

In this innovative data collection method, location-based listing operation, there would be four major activities – updating and listing, ocular inspection, geotagging, and interviewing. (1) Updating and listing of predetermined and new landing centers, respectively, according to its category through coordination with the Municipal Agriculture Officer (MAO). (2) Ocular inspection to familiarize physical features and boundaries during the geotagging and interviewing activities. (3) Geotagging or visit on the actual location of the landing centers that are currently in operation and temporarily closed which will be geotagged on the centroid of the landing center and simultaneously collecting of information based on the attribute table. (4) Interviewing of key informants to gather statistical unit information.

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Questionnaire

LMFLC Form 1A

LMFLC FORM 1A CERTIFICATION I hereby certify that the data set forth herein were personally obtained/reviewed by me in accordance with the instructions provided. <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div style="width: 45%;"> DATE </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div style="width: 45%;"> DATE </div> </div>		 REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY LISTING OF MARINE FISH LANDING CENTERS COMMERCIAL LANDING CENTERS		PSA Approval No.: PSA- 2114-01 Expires on: 31 MARCH 2022											
<div style="display: flex;"> <div style="width: 50%;"> <p>Dear Sir/Madam:</p> <p>The Philippine Statistics Authority (PSA) is conducting the 2021 Listing of Marine Fish Landing Centers (LMFLC) to gather data on commercial and municipal fisheries and to update the list of landing centers in the Philippines which is being used as statistical frame for commercial and municipal fisheries surveys also undertaken by the PSA.</p> <p>In accordance with Section 25 of RA 10625, we are requesting you to provide answers to all questions that will be asked by our Statistical Researcher/Enumerator/Interviewer. The questions pertain to information about the fish landing center operations and unloading activities.</p> <p>Rest assured that the data that you will furnish in this survey will be considered PRIVILEGED COMMUNICATION and as such shall be inadmissible as evidence in any proceeding. Provisions on CONFIDENTIALITY OF INFORMATION are stipulated in Section 26 of RA 10625 and Section 4 of Commonwealth Act No. 551. Further, Section 4(a) of RA 10173 (Data Privacy Act of 2012) states that the data privacy does not apply to "information necessary in order to carry out the functions of public authority which includes the processing of personal data for the performance by the independent agencies of their constitutionality and statutory mandated functions".</p> <p>We appreciate your utmost cooperation and support for the success of the 2021 LMFLC.</p> <p>Thank you very much.</p> <p style="text-align: right;">Digitally signed by Maria Clara Dennis S. Mapa Date: 2021.06.03 10:41:06 +08'00'</p> <p>CLAIRE DENNIS S. MAPA, Ph.D. Undersecretary National Statistician and Civil Registrar General</p> </div> <div style="width: 50%;"> <p>OBLIGATION TO PROVIDE INFORMATION:</p> <p>Section 25 in relation to Section 27 of Republic Act 10625 (Obligation to Provide Information) stipulates that all respondents whether natural or legal persons, are required to provide truthful and complete information to all statistical inquiries or surveys conducted by the Philippine Statistics Authority (PSA). Failure to comply with this obligation or commission of any violation under RA 10625 including Section 25 shall result to the imposition of appropriate criminal liability.</p> <p>CONFIDENTIALITY:</p> <p>The PSA adheres and commits to the confidentiality of information as stipulated in Section 26 (Confidentiality of Information) of Republic Act 10625 and Section 8 (Data Privacy Act) of Republic Act 10173. All data obtained herein shall be held strictly confidential and will not be used for taxation, investigation, or law enforcement purposes. The PSA shall ensure that identities of particular person, business, or organization will not be disclosed in whatever form.</p> </div> </div>															
GEOGRAPHIC IDENTIFICATION															
REGION		PROVINCE		SHEET ____ OF ____ SHEETS											
LINE NO.	GEOGRAPHIC IDENTIFICATION						NAME AND ADDRESS OF LANDING CENTER		TYPE OF LANDING CENTER	STATUS OF LANDING CENTER	AVERAGE DAILY UNLOADING (KG) (IN 2 DECIMAL PLACES)		AUX COLUMN 14 AND 15 IF THE ANSWER IN COLUMN 11 IS CODES - EXISTING BUT TEMPORARILY CLOSED		REMARKS
	REG	PROV	MUN	BOY	SFG	SOURCE OF LIST	LANDING CENTER CATEGORY	WRITE THE OFFICIAL NAME OF THE LANDING CENTER. IF THERE IS NO OFFICIAL NAME, WRITE THE NAME OF THE LTCD WHERE THE LANDING CENTER IS LOCATED. WRITE THE COMPLETE ADDRESS OF THE LANDING CENTER. REMINDER: "SKJUNAWAY" OR "DOLICHAW" IS NOT A NAME OF A LANDING CENTER.			PEAK MONTHS	LEWY MONTHS	DATE OF LAST OPERATION (month/year)	EXPECTED DATE TO OPERATE (month/year)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
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8								NAME: ADDRESS:							
CODES															
SOURCE OF LIST		LANDING CENTER CATEGORY		TYPE OF LANDING CENTER		STATUS OF LANDING CENTER									
1 PSA 2 BFAR 3 LGU		1 COMMERCIAL 2 MUNICIPAL		1 TRADITIONAL 2 PFDA 3 LGU 4 PRIVATE		1 EXISTING AND OPERATIONAL 2 EXISTING BUT TEMPORARILY CLOSED, ACCOMPLISH ONLY FORM 1A, 1B, 2A, OR 2B. 3 PERMANENTLY CLOSED, PROCEED TO THE NEXT LANDING CENTER IN THE LIST. 4 CANNOT BE LOCATED/CONVERTED, PROCEED TO THE NEXT LANDING CENTER IN THE LIST.									

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Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

LMFLC Form 1B

LMFLC FORM 1B CERTIFICATION I hereby certify that the data set forth herein were personally obtained/reviewed by me in accordance with the instructions provided. <div style="display: flex; justify-content: space-between;"> <div> TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div> DATE </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div> DATE </div> </div>		 REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY LISTING OF MARINE FISH LANDING CENTERS MUNICIPAL LANDING CENTERS		PSA Approval No.: PSA- 2114-02 Expires on: 31 MARCH 2022											
<p>Dear Sir/Madam:</p> <p>The Philippine Statistics Authority (PSA) is conducting the 2021 Listing of Marine Fish Landing Centers (LMFLC) to gather data on commercial and municipal fisheries and to update the list of landing centers in the Philippines which is being used as statistical frame for commercial and municipal fisheries surveys also undertaken by the PSA.</p> <p>In accordance with Section 25 of RA 10625, we are requesting you to provide answers to all questions that will be asked by our Statistical Researcher/Enumerator/Interviewer. The questions pertain to information about the fish landing center operations and unloading activities.</p> <p>Rest assured that the data that you will furnish in this survey will be considered PRIVILEGED COMMUNICATION and as such shall be inadmissible as evidence in any proceeding. Provisions on CONFIDENTIALITY OF INFORMATION are stipulated in Section 26 of RA 10625 and Section 4 of Commonwealth Act No. 931. Further, Section 4(a) of RA 10173 (Data Privacy Act of 2012) states that the data privacy does not apply to "information necessary in order to carry out the functions of public authority which includes the processing of personal data for the performance by the independent agencies or their constitutional and statutory mandated functions".</p> <p>We appreciate your utmost cooperation and support for the success of the 2021 LMFLC.</p> <p>Thank you very much.</p> <div style="text-align: right;"> <small>Digitally signed by Claire Dennis S. Mapa DN: cn=Claire Dennis S. Mapa, o=PSA, email=claire.mapa@psa.gov.ph, c=PH Date: 2021.08.03 08:42:17 +0800</small> </div> <p>CLAIRE DENNIS S. MAPA, Ph.D. Undersecretary National Statistician and Civil Registrar General</p>		<p>OBLIGATION TO PROVIDE INFORMATION:</p> <p>Section 25 in relation to Section 27 of Republic Act 10625 (Obligation to Provide Information) stipulates that all respondents whether natural or legal persons, are required to provide truthful and complete information to all statistical inquiries or surveys conducted by the Philippine Statistics Authority (PSA). Failure to comply with this obligation or commission of any violation under RA 10625 including Section 25 shall result to the imposition of appropriate criminal liability.</p> <p>CONFIDENTIALITY:</p> <p>The PSA adheres and commits to the confidentiality of information as stipulated in Section 26 (Confidentiality of Information) of Republic Act 10625 and Section 8 (Data Privacy Act) of Republic Act 10173. All data obtained herein shall be held strictly confidential and will not be used for taxation, investigation, or law enforcement purposes. The PSA shall ensure that identities of particular person, business, or organization will not be disclosed in whatever form.</p>													
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REGION _____		PROVINCE _____		SHEET _____ OF _____ SHEETS											
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	REG	PROV	MUN	BOY	SEC	SOURCE OF LIST	LANDING CENTER CATEGORY	NAME			ADDRESS	PEAK MONTHS	LEAN MONTHS	DATE OF LAST OPERATION (month/year)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
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LMFLC Form 2A

LMFLC FORM 2A CERTIFICATION I hereby certify that the data set forth herein were personally obtained/reviewed by me in accordance with the instructions provided. <table style="width: 100%;"> <tr> <td style="width: 50%; text-align: center;"> TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME) </td> <td style="width: 50%; text-align: center;"> DATE </td> </tr> <tr> <td style="width: 50%; text-align: center;"> SUPERVISOR (SIGNATURE OVER PRINTED NAME) </td> <td style="width: 50%; text-align: center;"> DATE </td> </tr> </table>		TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME)	DATE	SUPERVISOR (SIGNATURE OVER PRINTED NAME)	DATE	 REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY LISTING OF MARINE FISH LANDING CENTERS NEW COMMERCIAL LANDING CENTERS		PSA Approval No.: PSA- 2114-03 Expires on: 31 MARCH 2022				
TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME)	DATE											
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<p>Dear Sir/Madam:</p> <p>The Philippine Statistics Authority (PSA) is conducting the 2021 Listing of Marine Fish Landing Centers (LMFLC) to gather data on commercial and municipal fisheries and to update the list of landing centers in the Philippines which is being used as statistical frame for commercial and municipal fisheries surveys also undertaken by the PSA.</p> <p>In accordance with Section 25 of RA 10625, we are requesting you to provide answers to all questions that will be asked by our Statistical Researcher/Enumerator/Interviewer. The questions pertain to information about the fish landing center operations and unloading activities.</p> <p>Rest assured that the data that you will furnish in this survey will be considered PRIVILEGED COMMUNICATION and as such shall be inadmissible as evidence in any proceeding. Provisions on CONFIDENTIALITY OF INFORMATION are stipulated in Section 26 of RA 10625 and Section 4 of Commonwealth Act No. 591. Further, Section 4(a) of RA 10173 (Data Privacy Act of 2012) states that the data privacy does not apply to "information necessary in order to carry out the functions of public authority which includes the processing of personal data for the performance by the independent agencies of their constitutional and statutory mandated functions".</p> <p>We appreciate your utmost cooperation and support for the success of the 2021 LMFLC.</p> <p>Thank you very much.</p> <p style="text-align: right;"> <small>Digitally signed by Claire Dennis S. Mapa</small> <small>Date: 2021.04.05 09:46:33 +08'00'</small> CLAIRE DENNIS S. MAPA, Ph.D. Undersecretary National Statistician and Civil Registrar General </p>		<p>OBLIGATION TO PROVIDE INFORMATION:</p> <p>Section 25 in relation to Section 27 of Republic Act 10625 (Obligation to Provide Information) stipulates that all respondents, whether natural or legal persons, are required to provide truthful and complete information to all statistical inquiries or surveys conducted by the Philippine Statistics Authority (PSA). Failure to comply with this obligation or commission of any violation under RA 10625 including Section 25 shall result to the imposition of appropriate criminal liability.</p> <p>CONFIDENTIALITY:</p> <p>The PSA adheres and commits to the confidentiality of information as stipulated in Section 26 (Confidentiality of Information) of Republic Act 10625 and Section 8 (Data Privacy Act) of Republic Act 10173. All data obtained herein shall be held strictly confidential and will not be used for taxation, investigation, or law enforcement purposes. The PSA shall ensure that identities of particular person, business, or organization will not be disclosed in whatever form.</p>										
GEOGRAPHIC IDENTIFICATION												
REGION 		PROVINCE 		CITY/MUNICIPALITY 		SHEET OF SHEETS						
Line No.	BARANGAY NAME AND CODE	SEQ.	SOURCE OF LIST	LANDING CENTER CATEGORY	NAME AND ADDRESS OF LANDING CENTER <small>WRITE THE OFFICIAL NAME OF THE LANDING CENTER. IF THERE IS NO OFFICIAL NAME, WRITE THE NAME OF THE SITE WHERE THE LANDING CENTER IS LOCATED. REMEMBER: "BARANGAY" OR "MUNICIPALITY" IS NOT A NAME OF A LANDING CENTER.</small>	TYPE OF LANDING CENTER	STATUS OF LANDING CENTER	AVERAGE DAILY UNLOADING (KG) (IN 2 DECIMAL PLACES)		DATE OF LAST OPERATION (month/year)		REMARKS
								PEAK MONTHS	LEAN MONTHS	EXISTING BUT TEMPORARILY CLOSED	EXPECTED DATE TO OPERATE (month/year)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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6			3		NAME: ADDRESS:							
7			3		NAME: ADDRESS:							
8			3		NAME: ADDRESS:							
CODES												
SOURCE OF LIST 1. PSA 2. BFAR 3. LGU		LANDING CENTER CATEGORY 1. COMMERCIAL 2. MUNICIPAL		TYPE OF LANDING CENTER 1. TRADITIONAL 2. PFDA 3. LGU 4. PRIVATE		STATUS OF LANDING CENTER 1. EXISTING AND OPERATIONAL 2. EXISTING BUT TEMPORARILY CLOSED, ACCOMPLISH ONLY FORM 1A, 1B, 2A, OR 2B.						

15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines



LMFLC Form 2B

LMFLC Form 2B CERTIFICATION I hereby certify that the data set forth herein were personally obtained/reviewed by me in accordance with the instructions provided. <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> TEAM SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div style="width: 45%;"> DATE </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> SUPERVISOR (SIGNATURE OVER PRINTED NAME) </div> <div style="width: 45%;"> DATE </div> </div>		 REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY LISTING OF MARINE FISH LANDING CENTERS NEW MUNICIPAL LANDING CENTERS		PSA Approval No.: PSA- 2114-04 Expires on: 31 MARCH 2022								
<p>Dear Sir/Madam:</p> <p>The Philippine Statistics Authority (PSA) is conducting the 2021 Listing of Marine Fish Landing Centers (LMFLC) to gather data on commercial and municipal fisheries and to update the list of landing centers in the Philippines which is being used as statistical frame for commercial and municipal fisheries surveys also undertaken by the PSA.</p> <p>In accordance with Section 25 of RA 10625, we are requesting you to provide answers to all questions that will be asked by our Statistical Researcher/Enumerator/Interviewer. The questions pertain to information about the fish landing center operations and unloading activities.</p> <p>Rest assured that the data that you will furnish in this survey will be considered PRIVILEGED COMMUNICATION and as such shall be inadmissible as evidence in any proceeding. Provisions on CONFIDENTIALITY OF INFORMATION are stipulated in Section 26 of RA 10625 and Section 4 of Commonwealth Act No. 591. Further, Section 4(a) of RA 10173 (Data Privacy Act of 2012) states that the data privacy does not apply to information necessary in order to carry out the functions of public authority which includes the processing of personal data for the performance by the independent agencies of their constitutional and statutory mandated functions.</p> <p>We appreciate your utmost cooperation and support for the success of the 2021 LMFLC.</p> <p>Thank you very much.</p> <div style="display: flex; align-items: center;"> <div style="font-size: 0.8em;"> Digitally signed by Mapa Claire Dennis S. Mapa Date: 2021.04.29 09:44:42 +0800 </div> </div> <p>CLAIRE DENNIS S. MAPA, Ph.D. Undersecretary National Statistician and Civil Registrar General</p>												
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<p>GEOGRAPHIC IDENTIFICATION</p> <p>REGION <input type="text"/> PROVINCE <input type="text"/> CITY/MUNICIPALITY <input type="text"/> SHEET <input type="text"/> OF <input type="text"/> SHEETS</p>												
Line No.	BARANGAY NAME AND CODE	SEQ.	SOURCE OF LIST	LANDING CENTER CATEGORY	NAME AND ADDRESS OF LANDING CENTER <small>WRITE THE OFFICIAL NAME OF THE LANDING CENTER. IF THERE IS NO OFFICIAL NAME, WRITE THE NAME OF THE SITIO WHERE THE LANDING CENTER IS LOCATED. WRITE THE COMPLETE ADDRESS OF THE LANDING CENTER. REMEMBER: "BARANGAY" OR "CANGYAN" IS NOT A NAME OF A LANDING CENTER.</small>	TYPE OF LANDING CENTER	STATUS OF LANDING CENTER	AVERAGE DAILY (AS FACHED 100) (IN 2 DECIMAL PLACES) PEAK MONTHS LEAN MONTHS		ASK COLUMN 11 AND 12 IF THE ANSWER IN COLUMN 10 IS "CLOSED". EXISTING BUT TEMPORARILY CLOSED DATE OF LAST OPERATION (month/year) EXPECTED DATE TO OPERATE (month/year)		REMARKS
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
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CODES												
SOURCE OF LIST		LANDING CENTER CATEGORY		TYPE OF LANDING CENTER		STATUS OF LANDING CENTER						
1 PSA 2 BFAR 3 LGU		1 COMMERCIAL 2 MUNICIPAL		1 TRADITIONAL 2 PFDA 3 LGU		1 EXISTING AND OPERATIONAL 2 EXISTING BUT TEMPORARILY CLOSED, ACCOMPLISH ONLY FORM 1A, 1B, 2A, OR 2B.						

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Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

LMFLC Form 3

 <p>REPUBLIC OF THE PHILIPPINES PHILIPPINE STATISTICS AUTHORITY LISTING OF MARINE FISH LANDING CENTERS LANDING CENTER CHARACTERISTICS</p>	<p>LMFLC FORM 3</p> <p>PSA Approval No.: PSA-2114-05</p> <p>Expires on: 31 MARCH 2022</p>
<p>OBLIGATION TO PROVIDE INFORMATION:</p> <p>Section 25 in relation to Section 27 of Republic Act 10625 (Obligation to Provide Information) stipulates that all respondents whether natural or legal persons, are required to provide truthful and complete information to all statistical inquiries or surveys conducted by the Philippine Statistics Authority (PSA). Failure to comply with this obligation or commission of any violation under RA 10625 including Section 25 shall result to the imposition of appropriate criminal liability.</p>	<p>CONFIDENTIALITY:</p> <p>The PSA adheres and commits to the confidentiality of information as stipulated in Section 26 (Confidentiality of Information) of Republic Act 10625 and Section 8 (Data Privacy Act) of Republic Act 10173. All data obtained herein shall be held strictly confidential and will not be used for taxation, investigation, or law enforcement purposes. The PSA shall ensure that identities of particular person, business, or organization will not be disclosed in whatever form.</p>
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<p>CERTIFICATION</p>	
<p>I hereby certify that the data set forth herein were personally obtained/reviewed by me in accordance with the instructions given by the PSA.</p>	
<p>_____ ENUMERATOR <small>SIGNATURE OVER PRINTED NAME</small></p>	<p>_____ TEAM SUPERVISOR <small>SIGNATURE OVER PRINTED NAME</small></p>
<p>_____ DATE ACCOMPLISHED</p>	<p>_____ DATE REVIEWED</p>

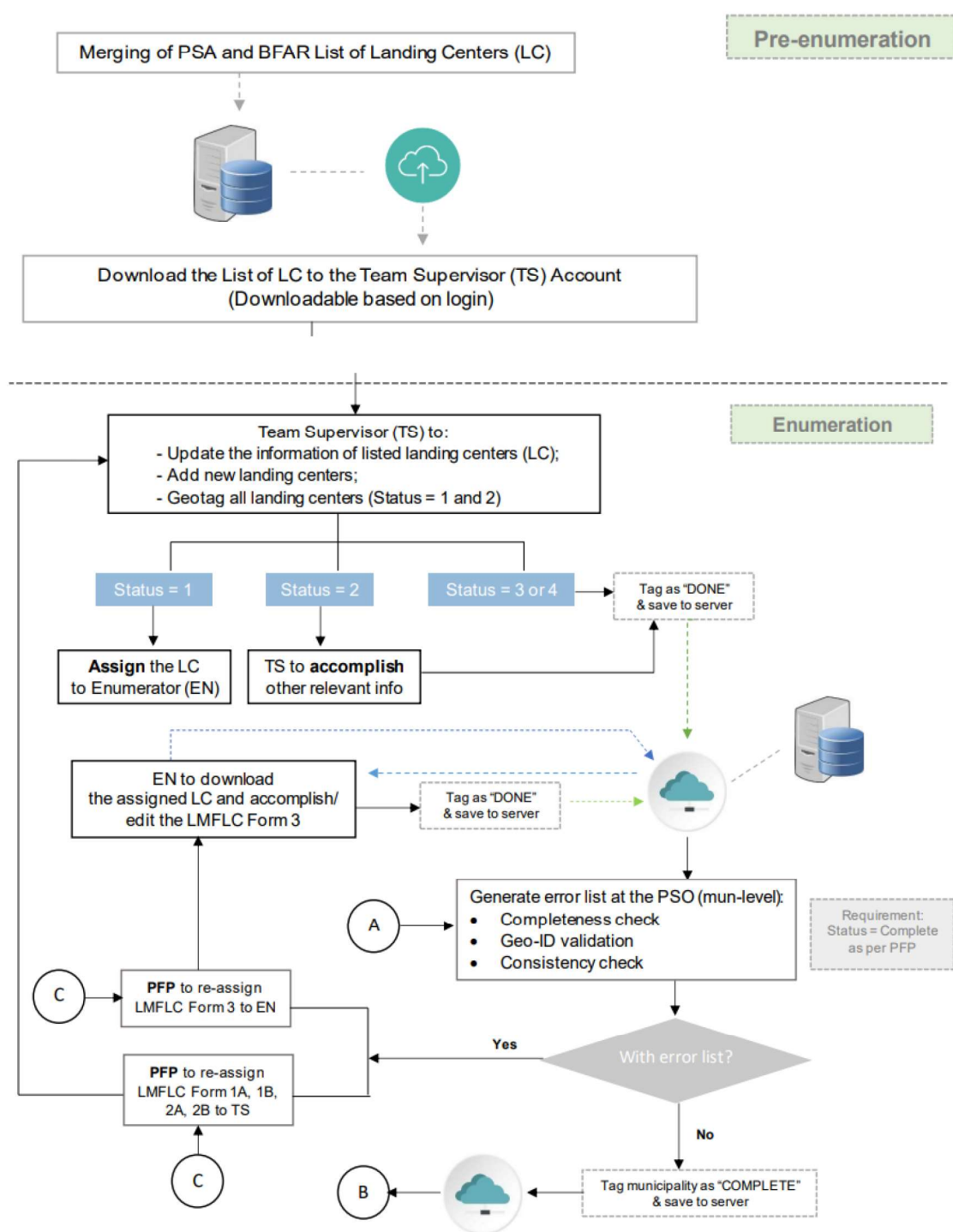
SECTION A – GEOGRAPHIC IDENTIFICATION AND OTHER PARTICULARS											
REGION			SEQ								
PROVINCE			SOURCE OF LIST								
MUNICIPALITY			LANDING CENTER CATEGORY								
BARANGAY											
SECTION B – LANDING CENTER INFORMATION											
1. NAME OF LANDING CENTER OFFICIAL _____ RESPONDENT FOR Q2 TO Q7 SHOULD BE THE LANDING CENTER OFFICIAL.											
2. What is the name of the landing center? _____						3. What is the address of the landing center? _____ WRITE THE NAME OF THE PUROK/SITIO.					
4. What is the landing center category? WRITE X ON THE BOX CORRESPONDING TO THE ANSWER.			<input type="checkbox"/> 1 Commercial			<input type="checkbox"/> 2 Municipal					
5. What is the type of the landing center? WRITE X ON THE BOX CORRESPONDING TO THE ANSWER.			<input type="checkbox"/> 1 Traditional			<input type="checkbox"/> 3 LGU managed			<input type="checkbox"/> 4 Privately managed (FOR COMMERCIAL LANDING CENTER)		
6. What is the peak unloading time in the landing center? WRITE THE START AND END OF UNLOADING TIME IN 12-HOUR FORMAT.			AM <input type="text"/> <input type="text"/> : <input type="text"/> <input type="text"/>			TO <input type="text"/> <input type="text"/> : <input type="text"/> <input type="text"/>					
			PM <input type="text"/> <input type="text"/> : <input type="text"/> <input type="text"/>			TO <input type="text"/> <input type="text"/> : <input type="text"/> <input type="text"/>					
			HOUR MIN			HOUR MIN					
7. What is/are the peak unloading month/s in the landing center? What is/are the lean unloading month/s in the landing center? WRITE X ON THE BOX CORRESPONDING TO THE ANSWER. MULTIPLE ANSWER IS ALLOWED.			JAN			FEB			MAR		
			APR			MAY			JUN		
			JUL			AUG			SEP		
			OCT			NOV			DEC		
			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		
			<input type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		

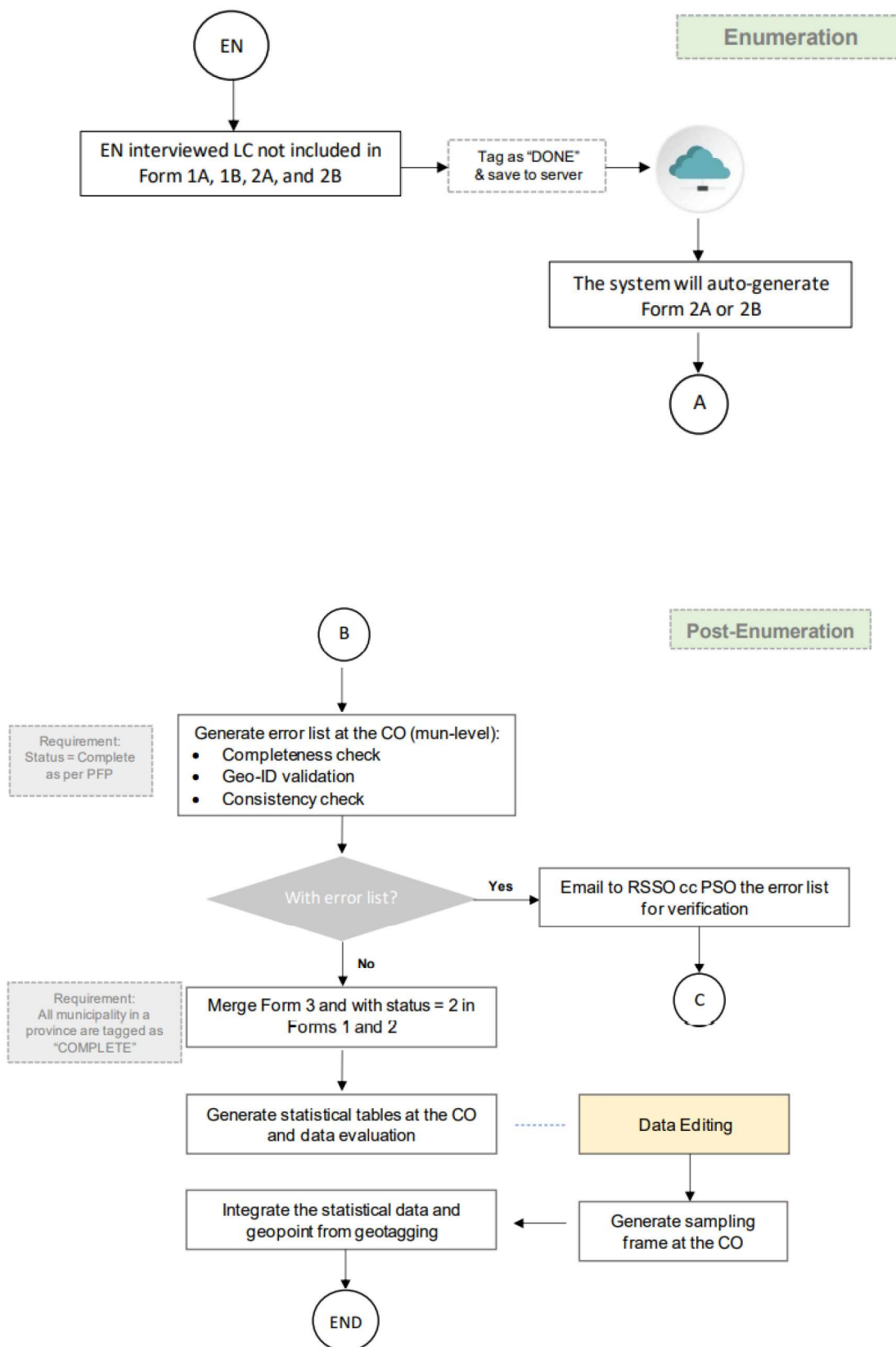
15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

FOR NUMBER 8 ITEMS A TO G INTERVIEW ANY FIVE (5) RESPONDENTS FROM ANY OF THE FOLLOWING: FISHERMAN/BOAT OWNER/OPERATOR; LANDING CENTER OFFICIAL; OFFICER/MEMBER OF THE FISHERFOLK ORGANIZATION; AND TRADER/BROKER. WRITE THE ANSWER AT THE SPACE PROVIDED.					
Q8 ITEMS A TO G	Respondent 1	Respondent 2	Respondent 3	Respondent 4	Respondent 5
A. What is the name of the respondent fisherman/boat owner/operator, or landing center official, or officer/member of the fisherfolk organization, or trader/broker?	LAST, FIRST NAME	LAST, FIRST NAME	LAST, FIRST NAME	LAST, FIRST NAME	LAST, FIRST
B. Is _____ a	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1 Fisherman/boat owner/operator? 2 Landing center official?		3 Officer/member of the fisherfolk organization? 4 Trader/broker?		
	WRITE THE CODE ON THE BOX CORRESPONDING TO THE ANSWER.				
DURING PEAK MONTHS					
C. How many boats are usually unloading fish per day?					
D. What is the average volume of unloaded fish per day per boat in kg?					
E. Average volume of unloaded fish per day in kg (C * D)	_____ * _____	_____ * _____	_____ * _____	_____ * _____	_____ * _____
TOTAL AVERAGE VOLUME OF UNLOADED FISH DURING PEAK MONTHS				_____ * _____	
DURING LEAN MONTHS					
F. How many boats are usually unloading fish per day?					
G. What is the average volume of unloaded fish per day per boat in kg?					
H. Average volume of unloaded fish per day in kg (F * G)	_____ * _____	_____ * _____	_____ * _____	_____ * _____	_____ * _____
TOTAL AVERAGE VOLUME OF UNLOADED FISH DURING LEAN MONTHS				_____ * _____	
REMARKS :					

Operation's Workflow





Prior to the actual field operation, the Provincial personnel will assign the device to be utilized and workload to each personnel using the Management Information System (MIS).

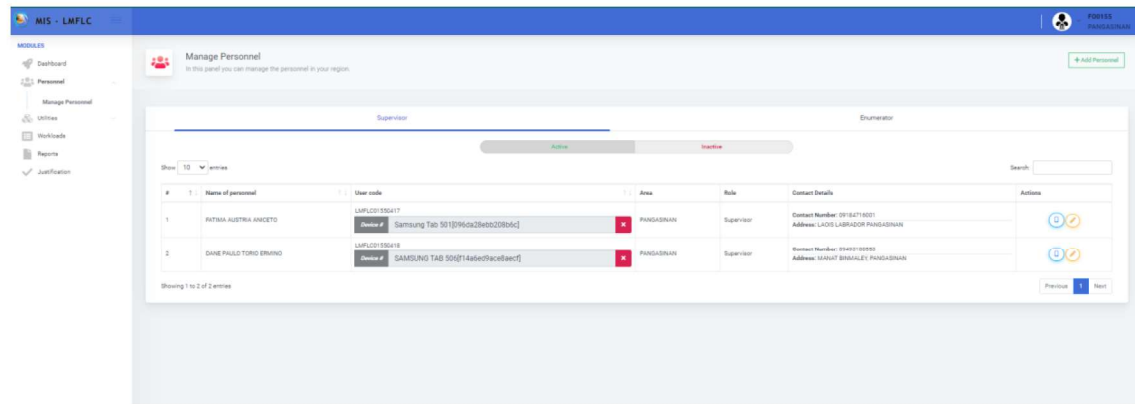


Image A. MIS- Personnel Module – Supervisors Tab

The Personnel Module is the used to register all personnel (Supervisor and Enumerator) involved in the operation. This panel contains the information of the personnel, assigned device and their corresponding status.

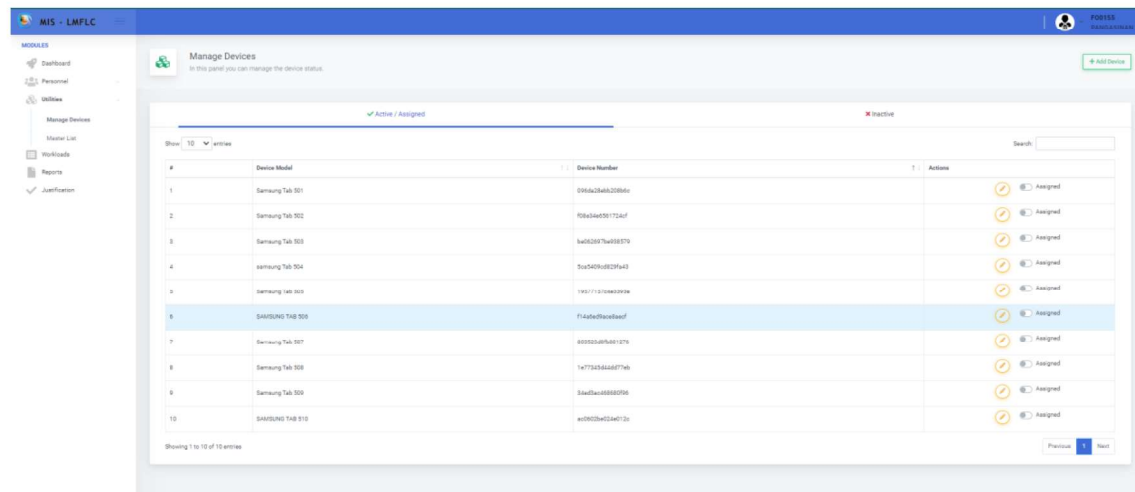
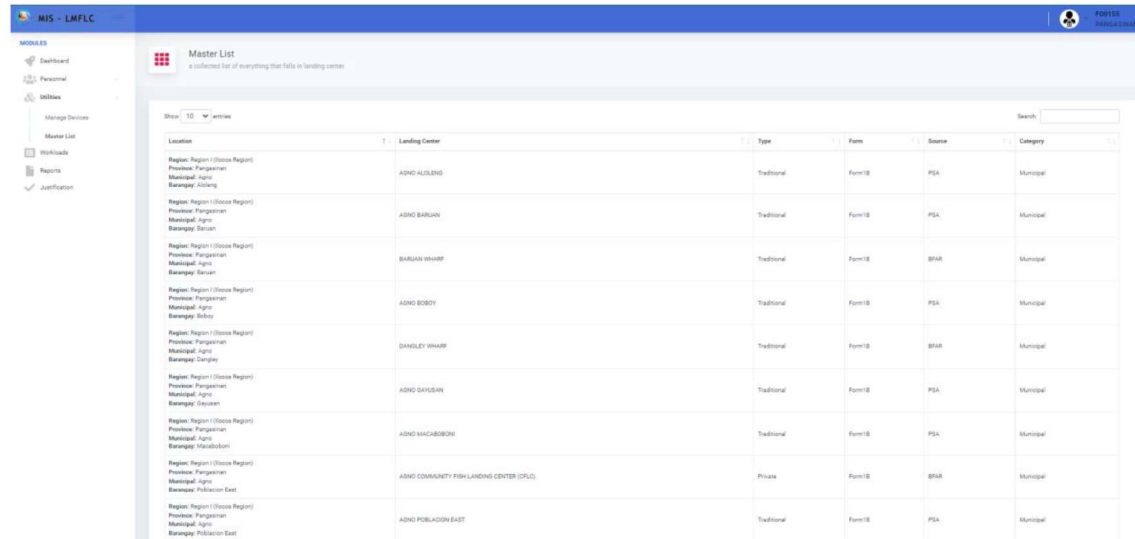


Image B. MIS- Utilities Module – Manage Devices Tab

15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

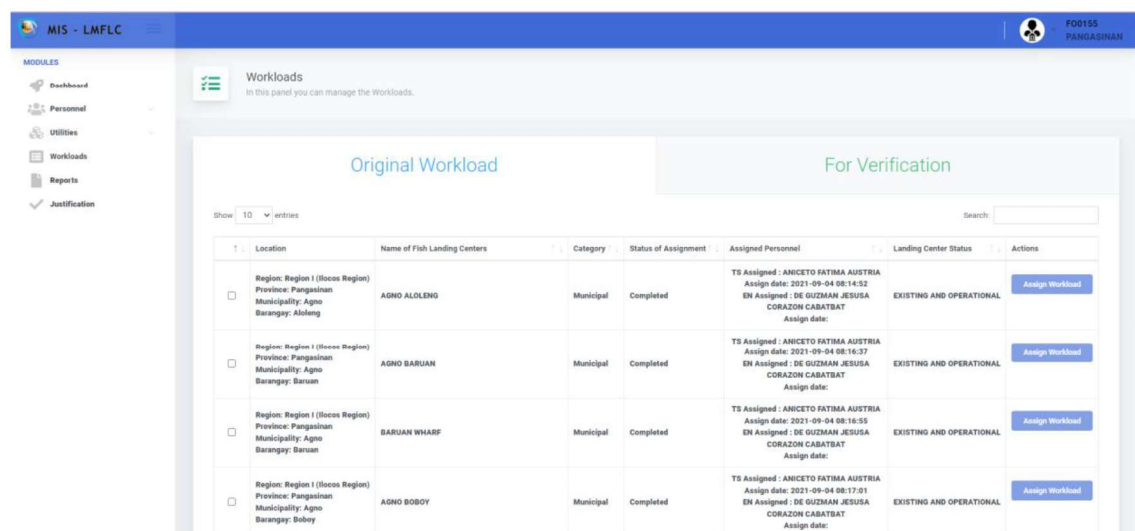


The screenshot shows the 'Master List' tab in the MIS - LMFLC system. The table lists various landing centers with columns for Location, Landing Center, Type, Form, Source, and Category. The data is as follows:

Location	Landing Center	Type	Form	Source	Category
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Abalang	AGNO ALOLENG	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Baruan	AGNO BARUAN	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Baruan	BARUAN WHARF	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Boboy	AGNO BOBOY	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Dingley	DINGLEY WHARF	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Dingley	AGNO DINGLEY	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Macabon	AGNO MACABON	Traditional	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Poblacion East	AGNO COMMUNITY FISH-LANDING CENTER (CFLC)	Private	Form 18	PSA	Municipal
Region: Region I (Ilocos Region) Province: Pangasinan Municipal: Agno Barangay: Poblacion East	AGNO POBLACION EAST	Traditional	Form 18	PSA	Municipal

Image C. MIS- Utilities Module – Master List Tab

The Utilities Module has two tabs - Manage Devices and Master List which were used to register the devices utilized in this operation per personnel involved before they can assign to an EN or TS and show the list of landing centers in the province.



The screenshot shows the 'Workloads' tab in the MIS - LMFLC system. It displays two panels: 'Original Workload' and 'For Verification'. The 'Original Workload' panel shows a table of landing centers with columns for Location, Name of Fish Landing Centers, Category, Status of Assignment, Assigned Personnel, Landing Center Status, and Actions. The data is as follows:

Location	Name of Fish Landing Centers	Category	Status of Assignment	Assigned Personnel	Landing Center Status	Actions
Region: Region I (Ilocos Region) Province: Pangasinan Municipality: Agno Barangay: Abalang	AGNO ALOLENG	Municipal	Completed	TS Assigned : ANICETO FATIMA AUSTRIA Assign date: 2021-09-04 08:14:52 EN Assigned : DE GUZMAN JESUSA CORAZON CABATBAT Assign date:	EXISTING AND OPERATIONAL	Assign Workload
Region: Region I (Ilocos Region) Province: Pangasinan Municipality: Agno Barangay: Baruan	AGNO BARUAN	Municipal	Completed	TS Assigned : ANICETO FATIMA AUSTRIA Assign date: 2021-09-04 08:16:37 EN Assigned : DE GUZMAN JESUSA CORAZON CABATBAT Assign date:	EXISTING AND OPERATIONAL	Assign Workload
Region: Region I (Ilocos Region) Province: Pangasinan Municipality: Agno Barangay: Baruan	BARUAN WHARF	Municipal	Completed	TS Assigned : ANICETO FATIMA AUSTRIA Assign date: 2021-09-04 08:16:55 EN Assigned : DE GUZMAN JESUSA CORAZON CABATBAT Assign date:	EXISTING AND OPERATIONAL	Assign Workload
Region: Region I (Ilocos Region) Province: Pangasinan Municipality: Agno Barangay: Boboy	AGNO BOBOY	Municipal	Completed	TS Assigned : ANICETO FATIMA AUSTRIA Assign date: 2021-09-04 08:17:01 EN Assigned : DE GUZMAN JESUSA CORAZON CABATBAT Assign date:	EXISTING AND OPERATIONAL	Assign Workload

Image D. MIS- Workload Module – Original Workload and For Verification Tab

The MIS Workload Module has two tabs, the Original Workload consists of updated and newly-collected landing centers of the TS and ENs. And the For Verification Tab consists of landing centers with missing forms or inconsistencies on the data collected.

Then, upon successful installation of applications to be used in this operation, as well as downloading of workload for Team Supervisor, the TS will then update the information of listed landing centers and add new landing centers using the LMFLC Application for TS, which is the digital format of LMFLC Forms 1A, 1B, 2A, and 2B. Then, he/she will proceed on geotagging all landing centers with status of currently operational and temporarily closed using the QField Application.

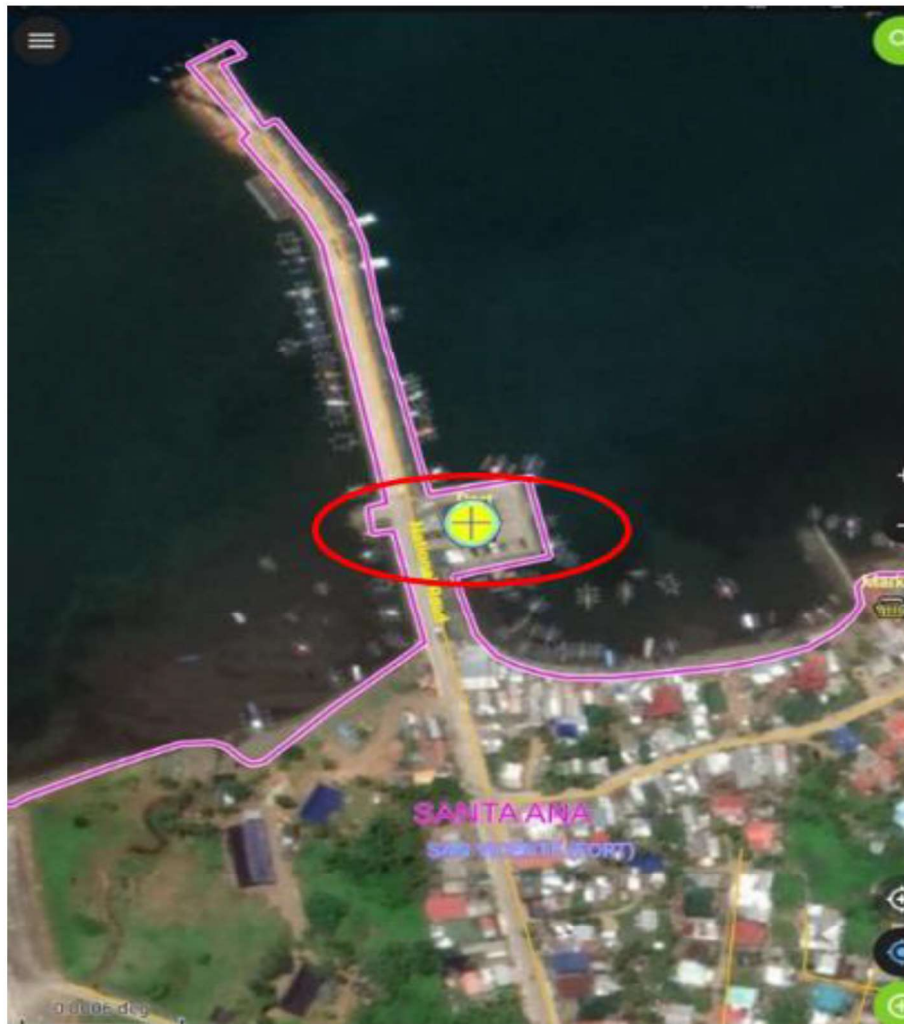


Image E. QField Application – Geotagging of Landing Centers with Status “operational” and “temporarily closed”

Then, the TS will assign each landing center to ENs to conduct personal interview using the LMFLC Application for EN which is the digital format of LMFLC Form 3.

1:43

Philippine Statistics Authority
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2021 LISTING OF MARINE FISH LANDING CENTER

LMFLC Form 3 Landing Center Characteristics

OBLIGATION TO PROVIDE INFORMATION:

Section 25 in relation to Section 27 of Republic Act 10625 (Obligation to Provide Information) stipulates that all respondents whether natural or legal persons, are required to provide truthful and complete information to all statistical inquiries or surveys conducted by the Philippine Statistics Authority (PSA). Failure to comply with this obligation or commission of any violation under RA 10625 including Section 25 shall result to the imposition of appropriate criminal liability.

CONFIDENTIALITY

The PSA adheres and commits to the confidentiality of information as stipulated in Section 26 (Confidentiality of Information) of Republic Act 10625 and Section 8 (Data Privacy Act) of Republic Act 10173. All data obtained herein shall be held strictly confidential and will not be used for taxation, investigation, or law enforcement purposes. The PSA shall ensure that identities of particular person, business, or organization will not be disclosed in whatever form.

PSA Approval No.: PSA-2114-05
Expires on: 31 MARCH 2022

NEXT

Image F. LMFLC Application for EN

15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

Also, a continuous monitoring on the progress of operation were done at the Provincial, Regional and Central Offices.

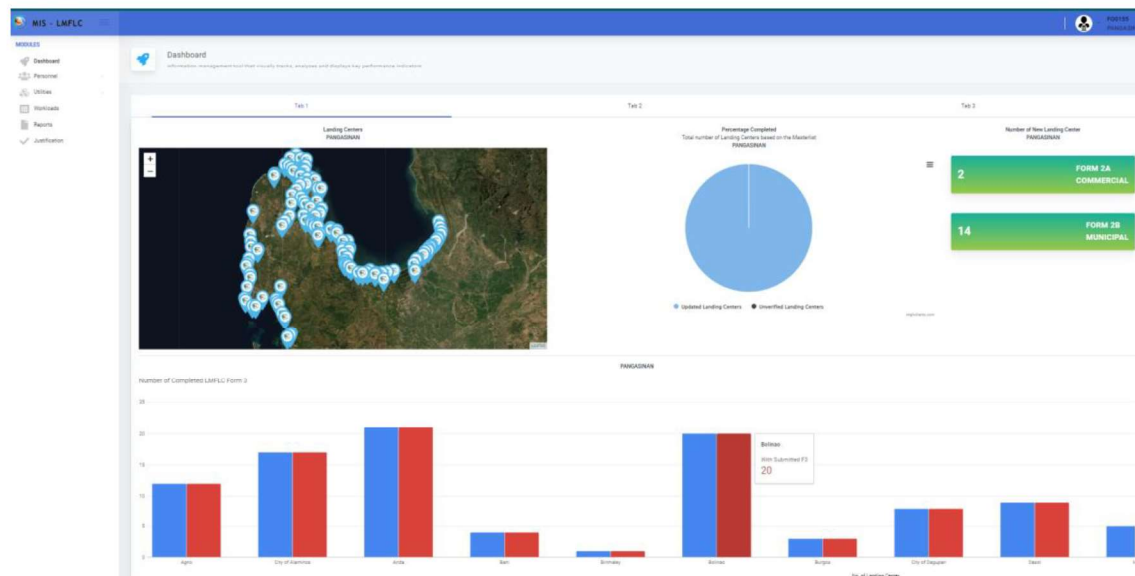


Image G. MIS- Dashboard Module Tab 1

The Dashboard Module was designed to monitor the progress of the activity. It provides a quick glance of the overall progress of the operation. The Map Chart from which the geotagged landing centers can be visualize. The first tab of the dashboard also presents the percentage completed or the percent distribution of landing centers enumerated based on the initial list, and number of new landing centers in the province.

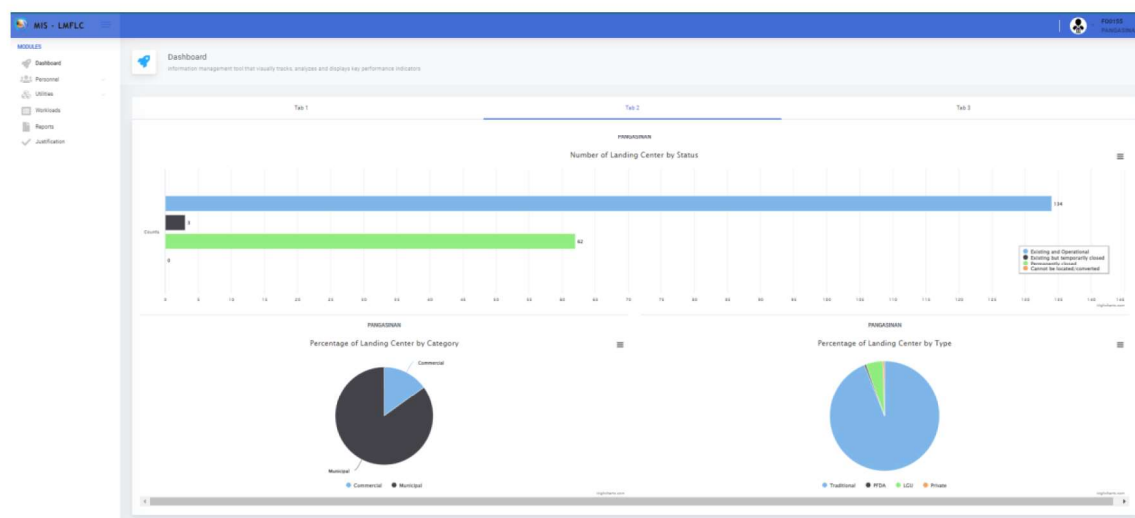


Image H. MIS- Dashboard Module Tab 2

The second tab consists of charts for the number of landing center by status, percentage of landing center by category and by type.

15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines

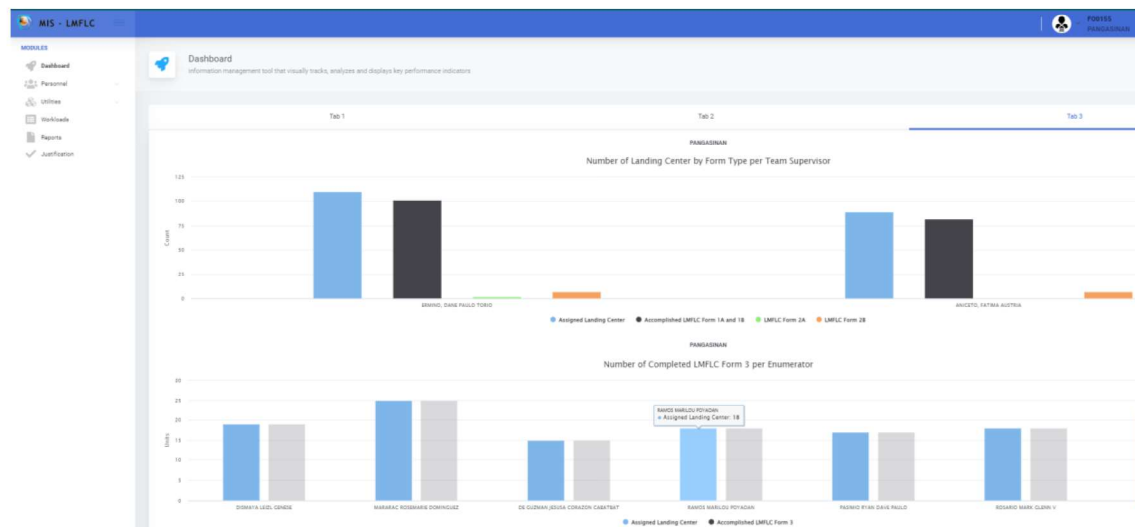


Image I. MIS- Dashboard Module Tab 3

While the third tab depicts charts of number of landing center by Form Type per Team Supervisor and Number of Completed LMFLC Form3 per Enumerator.

During the collection activities, all completed landing centers will proceed on the Data Processing System Phase which is designed to ensure the completeness and correctness of data collected during the enumeration.

PANGASINAN
Landing Center Masterlist

Show 25 entries

Form type	Landing Center	Municipality	Barangay	Completeness check	GeoID check	Consistency check
Form 1A	DANGLEY WHARF	Agno	Dangley	pass	pass	pass
Form 1A	BALINGASAY FISH LANDING	Bolinao	Balingasay	pass	pass	pass
Form 1A	BOLINAO FISH PORT	Bolinao	Luciente 1.0	pass	pass	pass
Form 1A	GUIGUIWANEN PORT AND MARKET	Bolinao	Luciente 1.0	pass	pass	pass
Form 1A	DAGUPAN CITY PANTAL	City of Dagupan	Pantal	pass	pass	pass
Form 1A	PANTAL FISH LANDING CENTER	City of Dagupan	Pantal	pass	pass	pass
Form 1A	AMALBALAN LANDING CENTER	Dasol	Amalbalan	pass	pass	pass
Form 1A	MALACAPAS WHARF	Dasol	Malacapas	pass	pass	pass
Form 1A	POBLACION PANTALAN & AUCTION CENTER	Dasol	Poblacion	pass	pass	pass
Form 1A	POBLACION BALSAAN	Dasol	Poblacion	pass	pass	pass

Showing 1 to 25 of 333 entries

Previous 1 2 3 4 5 ... 14 Next

Image J. DPS- Landing Center Status

This tab shows the status of each landing center for each validation process. The validation checking has three phases – completeness check, geo-ID validation and consistency check and is procedural, which means that there must be no errors encountered in the previous process. This can be exported into excel file for the TS and EN to perform verification and correction of errors.

DPS - LMFLC

Landing Center Status

Landing Center Validation

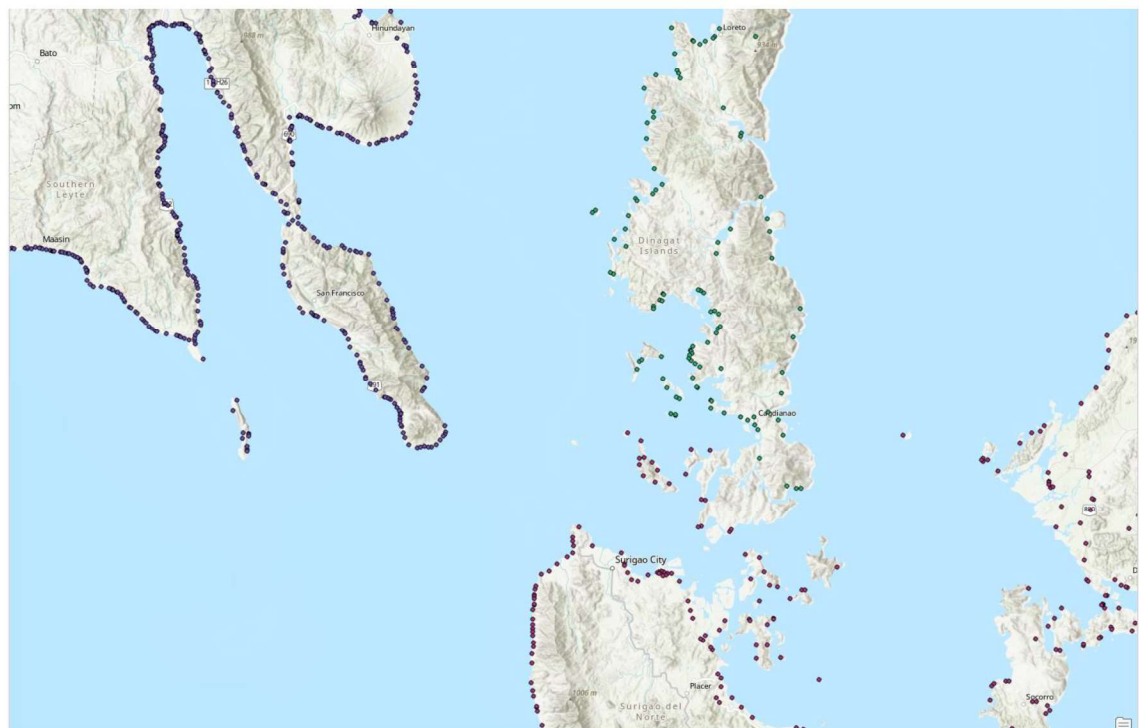
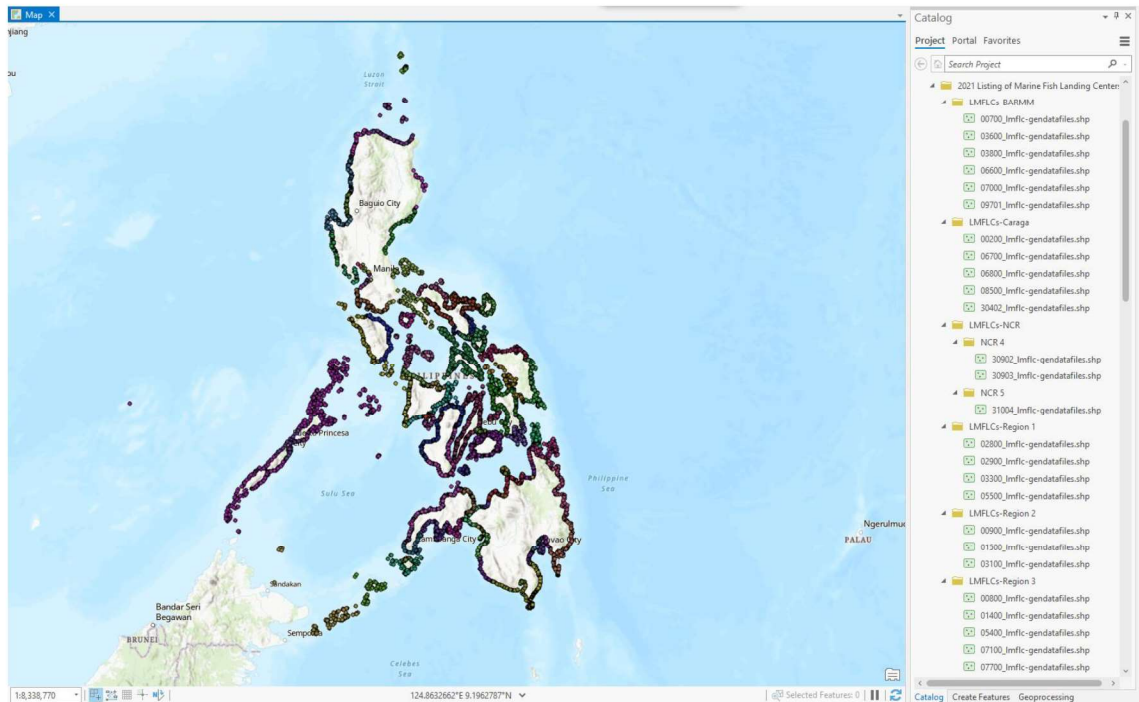
Region: Region I (Ilocos Region) Province: Pangasinan City/Municipality: Agno

Completeness Check GeoID Check Consistency Check Export

Error message	Geo-ID	Landing Center	Form type
No data available in table			

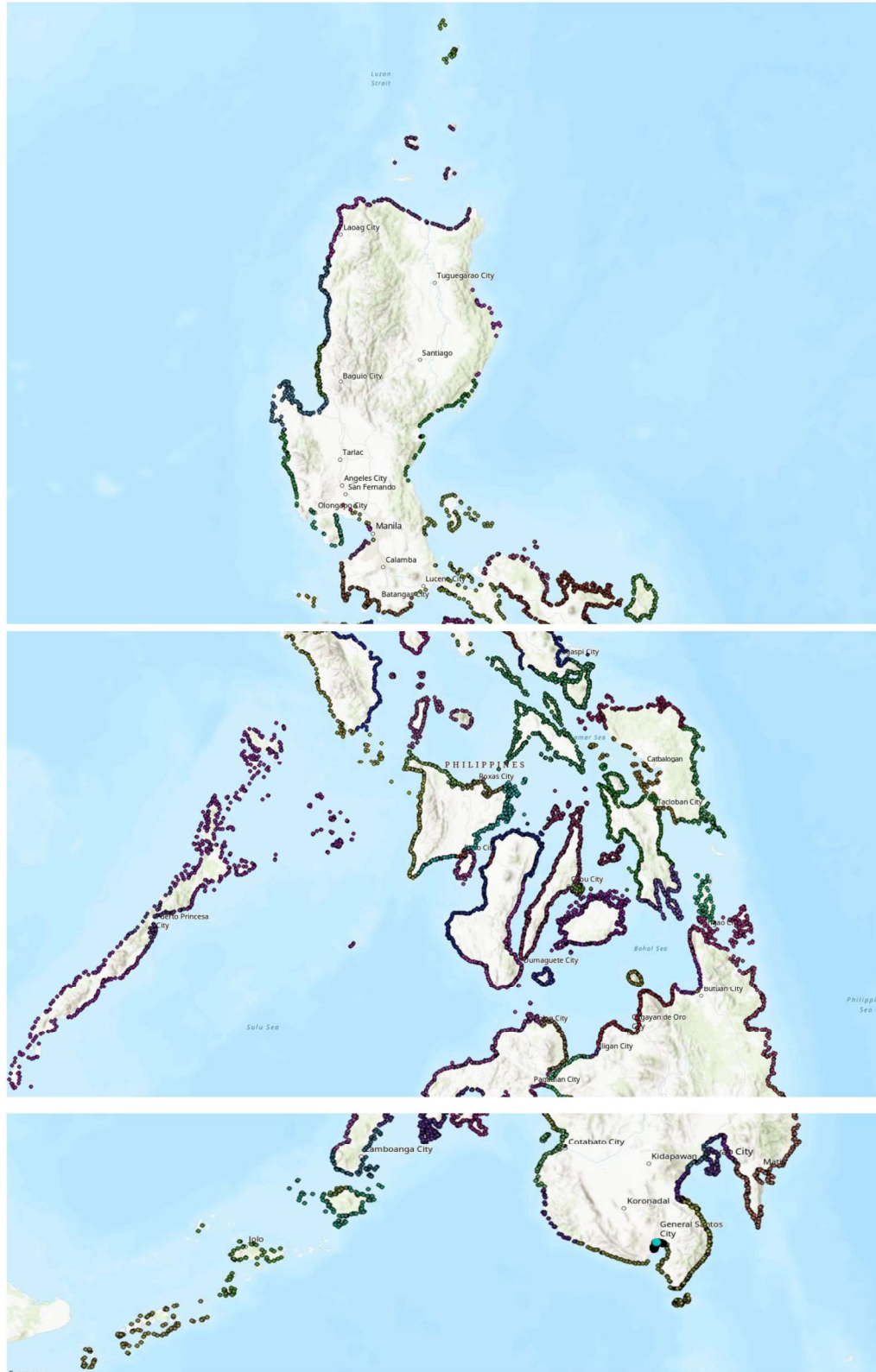
Image K. DPS- Landing Center Validation

Final Output of the Location-based Listing Operation



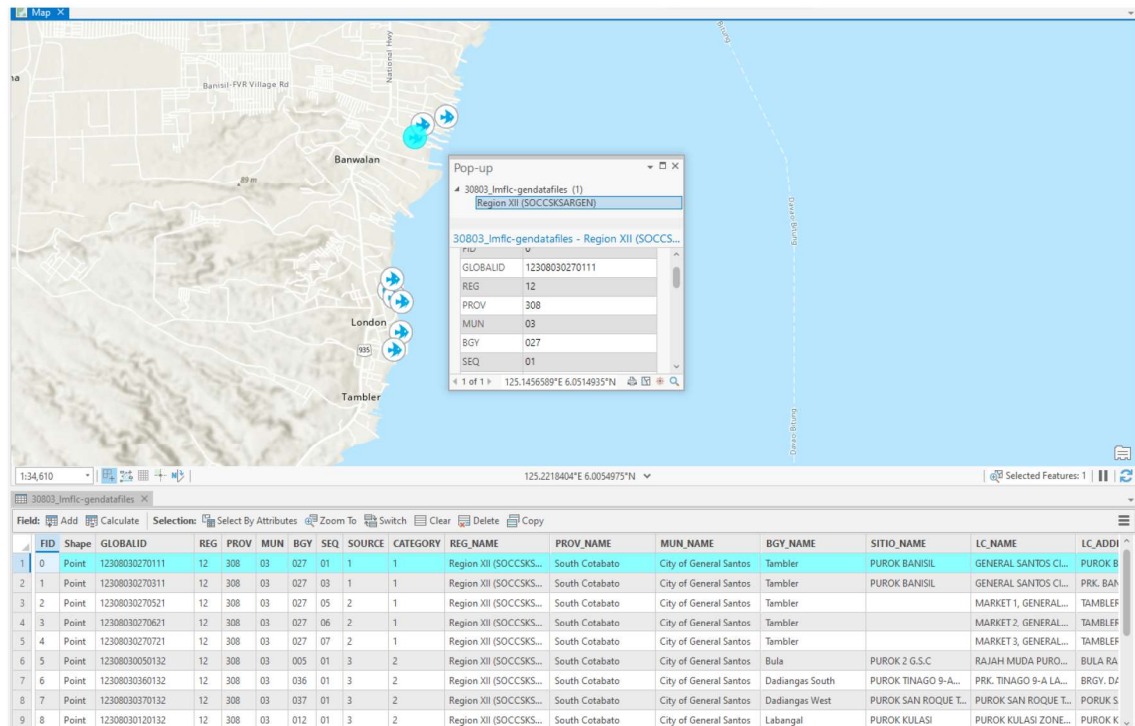
15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines



15th National Convention on Statistics

Location-based Listing Operation as Applied in the 2021 Listing of Marine Fish Landing Centers in the Philippines



The final output of this location-based listing operation shows the geotagged points of all marine fish landing centers in the Philippines (operational and temporarily closed). In essence, each landing center has a corresponding x and y coordinates linked with statistical unit information collected during the field operation.

Based on the result of the listing operation, the total number of marine fish landing centers in the Philippines is 13,328 and 99.7 percent or 13,287 of them are currently operational. The remaining 41 marine fish landing centers are reported as temporarily closed, as of September 2021.

A total of 12,773 (95.8%) are categorized as municipal fish landing centers, while only 555 (4.2%) are commercial fish landing centers.

Majority (95.3%) of the marine fish landing centers in the Philippines are considered traditional, 3.9 percent are managed by the Local Government Unit (LGU), 0.6 percent are managed by private individuals, and only 0.2 percent are managed by the Philippine Fisheries Development Authority (PFDA).

Out of the 555 commercial marine fish landing centers, more than half (59.3%) are traditional, 22.7 percent are managed by the LGU, 15.0 percent are privately-owned, and 3.0 percent are managed by PFDA.