



MEMORANDUM

FOR : **The OIC- Regional Executive Director**
DENR- MIMAROPA Region

THRU : **The OIC- Assistant Regional Director for Technical Services**

FROM : **The OIC- PENR Officer**

SUBJECT : **THIRD QUARTER REPORT ON INTEGRATED COASTAL MANAGEMENT (ICM) MAINSTREAMING INTO LGU CLUP (INCEPTION PHASE) IN PENRO MARINDUQUE**

DATE :

We are respectfully submitting the third quarter report on Integrated Coastal Management (ICM) Mainstreaming into LGU CLUP in PENRO Marinduque.

Attached is the comprehensive report, annexes 1 & 2, photo documentation and map for information and ready reference.


IMELDA M. DIAZ



September 26, 2023

MEMORANDUM

FOR : The OIC-PENR Officer

THRU : The Chief, Technical Services Division

ATTENTION : The Chief, Conservation and Development Section

FROM : The Coastal Resources and Foreshore Management Unit

SUBJECT : **Third quarter report on ICM Mainstreaming into LGU CLUP (Inception Phase)**

ICM mainstreaming to CLUP involves several processes including those activities under inception phase. In previous quarter, the CRFMU reported the status of the six MLGU's plans (IDP, ICMP and CLUP), and inventory of river systems affecting Marine Protected Area (MPA). For this quarter, the said Unit worked on the continuation of the inception phase such as mapping and ground truthing of the identified river system across the province.

In the municipality of Sta Cruz, Marinduque, several rivers and creeks such as those found in Brgys Dolores, Landy, Lipa, Lapu-lapu, Tagum, Taytay and Masaguisi that are directly and indirectly draining into the sea were subjected to the said activity. Among those rivers and creeks that have been validated, Lapu-lapu creek was observed polluted due to different pollutants present on its water body. Discharged coming from outlets of households, livestock facilities, solid wastes, other concomitants, treated water from fishponds, disturbed river beds (due to passing of fishing and passenger vessels) as well as the effect of tides as observed during ground validation/ ground thruting was brown to black coloration and perceived to have poor water quality.

In addition, crowded residential area and unusual wastes disposal especially plastics were found along canals and mangrove area. This is an obvious threats to the coastal and marine ecosystems and habitats within the barangay and adjacent areas. Discharged water from the public market, cemetery and esteros were also noted as an alarming threats hence, required to be disposed properly these were probably carried along the way to the sea affecting water quality and will be resulted into coastal and marine resources degradation in the long run.

Similarly, rivers and creeks that have been ground thruted in the municipality of Torrijos especially Marlangga Creek traversing adjacent to public market and nearby residential areas were observed to be threatened with wastes coming from the said area. The water quality was characterized with water discoloration and presence of algae at the surface indicates that the creek is nearly polluted. Most likely observed were presence of plastics, organic wastes such as tree trunks, coconut husk and bamboo twigs and other tiny trashes. While, in the municipalities of Mogpog and Boac, rivers and creeks being validated were observed to have the same nature in terms of organic trashes/wastes. The common issue in the two municipalities is the water quality of its major rivers (Mogpog River, Boac River). It has greenish to blue coloration of water (might be still contaminated). However existence of aquatic life species such as fish, shrimps and snails were observed. Likewise, local residents used to wash their clothes in the river.



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aquatic life species such as fish, shrimps and snails were observed. Likewise, local residents used to wash their clothes in the river.

Annex 1 shows the list of inventoried and ground thruthed rivers and creeks in the municipalities including the corresponding observations. The data in length (km) of above mentioned rivers/creeks were sourced from one control map data base of this Office including indicated maps within. Likewise, other activity such as analysis of severity of threats, ENR profile of each municipality, LGU selection for prioritization will be facilitated within the fourth quarter. See annex 2/ monitoring tool for the progress of target activities re: Inception Phase.

Attached herewith are the geo-tagged photos of activities and map of inventoried rivers and creeks.

For information and records.


BRIAN INIGO F. LEANO


JOHN ANDREW M. MAGCULANG


OLIVER R. MINAY



Matuyatuya Creek



Ihatub Creek



Amiongong Creek



Bunganav Creek



Boac River



Geo-tagged photos of rivers/creeks during ground validation/thruthing within municipality of Boac, Marinduque.



Magapua Creek



Nangka Creek



Savao River



Mogpog River

Geo-tagged photos of rivers/creeks during ground validation/thruthing within municipality of Mogpog, Marinduque.



Matuvatuya Creek



Kay Buhay Creek



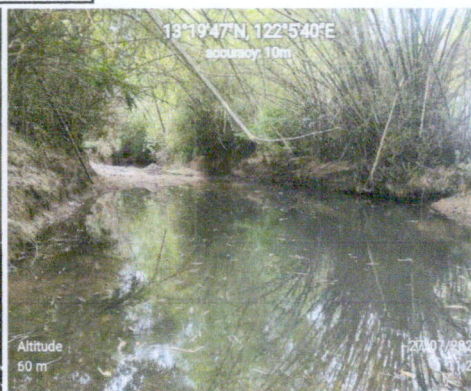
Marlangga Creek



Wood U Creek



Silangan Creek



Silangan Creek



Bonliw Creek

Geo-tagged photos of rivers/creeks during ground validation/thruthing within municipality of Torrijos, Marinduque.

Annex 1. List of rivers and creeks validated/ground thruted within the third quarter of CV 2023.

No.	Name of River/Creek	Mun	Length (km)	Outflow	Characteristics	Observed Threats
1	Dolores Creek	Sta. Cruz	0.4	Sayao Bay	Wet/flowing	Silted
2	Landy Creek	Sta. Cruz	0.4	Mongpong Pass	Wet/flowing	Households discharges
3	Ambulong Creek	Sta. Cruz	1	Mongpong Pass	Dry and vegetated	Erosion
4	Lipa Creek	Sta. Cruz	0.2	Mongpong Pass	Dry	None observed
5	Sta. Cruz River	Sta. Cruz	0.5	Mongpong Pass	Wet/flowing	Contaminated water from livestock facilities, public market, cemetery and residential areas. Scattered solid wastes (plastics)
6	Tagum River	Sta. Cruz	0.2	Sayao Bay	Wet/flowing	Agriculture and Aquaculture wastes
7	Taytay Creek	Sta. Cruz	0.2	Mongpong Pass	Dry	None observed
8	Masaguisi Creek	Sta. Cruz	0.2	Mongpong Pass	Dry	None observed
9	Tawiran River	Sta. Cruz	2.2	Mongpong Pass	Wet/flowing	Erosion, Agricultural wastes, households wastes, Quarrying
10	Balanacan River	Mogpog	0.3	Olong Bay	Wet/flowing	Contaminated water from livestock facilities and residential areas. Scattered plastic
11	Duangan River	Mogpog	0.72	Olong Bay	Wet/flowing	Agriculture wastes
12	Nangka Creek	Mogpog	0.22	Olong Bay	Wet/flowing	Solid wastes
13	Mangamanan Creek	Mogpog	0.27	Olong Bay	Wet/flowing	Agricultural wastes
14	Bohoc Creek	Mogpog	0.14	Olong Bay	Wet/flowing	Households discharges
15	Paadio Creek	Mogpog	0.17	Olong Bay	Wet/flowing	None observed
16	Sayao River	Mogpog	0.28	Mongpong Pass	Wet/flowing	Solid wastes, wastes water from residential area
17	Magapua Creek	Mogpog	0.32	Olong Bay	Wet/flowing	Agricultural wastes
18	Manganman River	Mogpog	1.13	Olong Bay	Wet/flowing	Agricultural wastes
19	Bunganay Creek	Boac	0.3	Olong Bay	Wet/flowing	Solid wastes
21	Caganhao Creek	Boac	0.41	Olong Bay	Wet/flowing	Solid wastes
22	Balarig Creek	Boac	0.26	Olong Bay	Wet/flowing	Solid wastes
23	Boac River	Boac	30	Olong Bay	Wet/flowing	Erosion
24	Kay Buhay Creek	Torrijos	0.35	Marianga Bay	Wet/flowing	Agricultural wastes
25	Matuya-tuya creek	Torrijos	0.48	Marianga Bay	Wet/flowing	Agricultural wastes
26	Bonliw Creek	Torrijos	0.33	Marianga Bay	Dry	None observed

27	Silangan Creek	Torrijos	0.26	Marlanga Bay	Dry	None observed
28	Marlangga Creek	Torrijos	0.33	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
29	Tigwi River	Torrijos	0.33	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
30	Buangan River	Torrijos	0.37	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
31	Mapugda Creek	Torrijos	0.31	Marlanga Bay	Wet/flowing	Solid wastes
32	Cabuyo River	Torrijos	0.38	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area, livestock wastes

Validated by:


JOHN ANDREW M. MAGCUANG

Forest Technician I


BRIAN INIGO F. LEANO

Forest Technician I


OLIVER R. MINAY

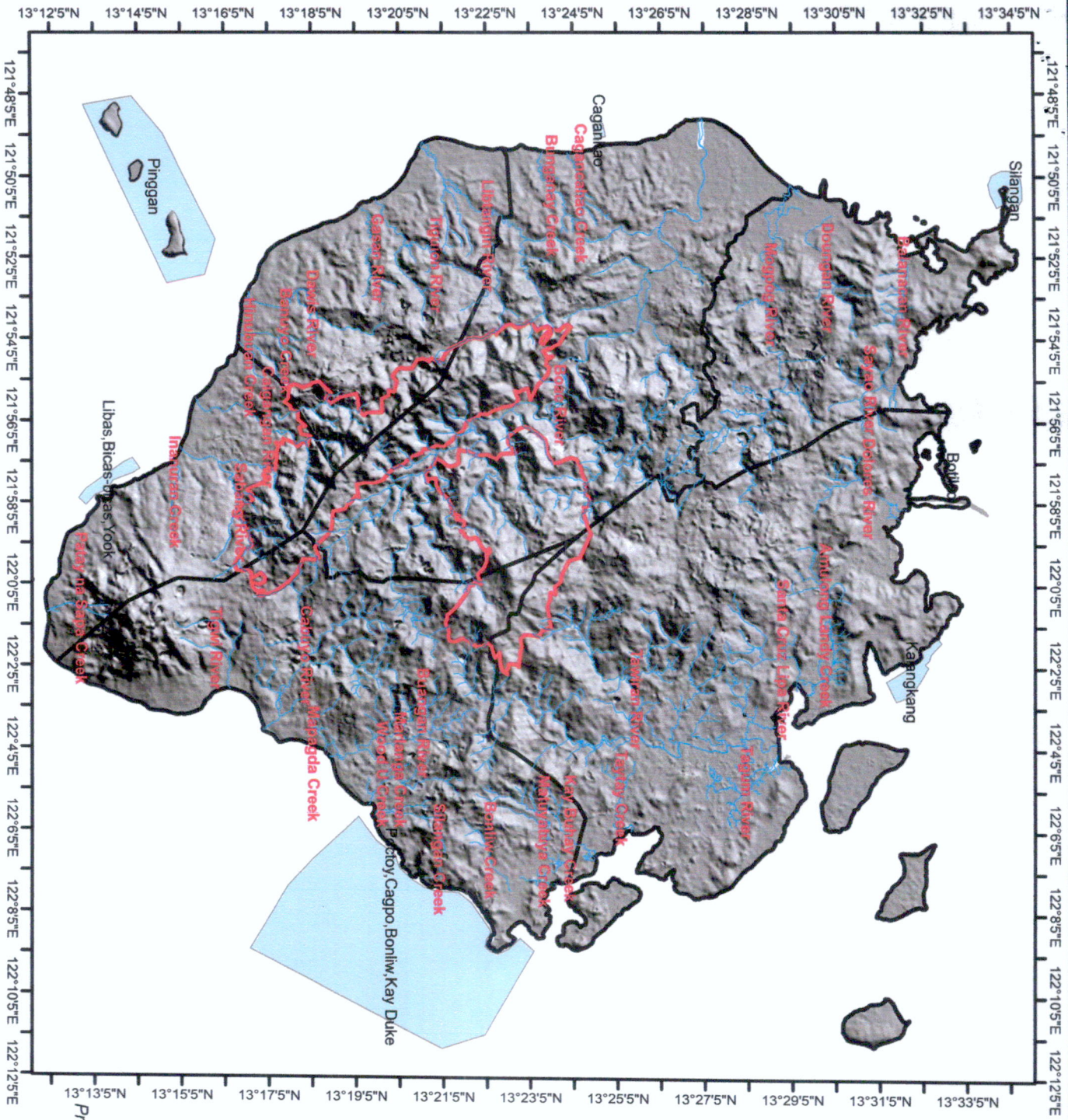
Forest Technician II

Noted by:


MARIA ELENA P. PARANAQUE
Chief CDS

Annex 2. Inception Phase Monitoring Tool

Specific Activities	Means of Verification	Status (Done/ To be accomplished	Remarks (Gaps/issues/challenges encountered)
Creation of DENR Regional Composite Team with clear-cut tasks and outputs	Special order on the creation of DENR Regional Composite Team signed by the RED	To be accomplished (Regional focal task)	No official/special order from region being released
Mapping of river systems influencing to NIPAS-MPAs with LGU coverage	Maps of the river systems influencing NIPAS MPA	Done	Submitted quarterly the maps of corresponding river systems ground thuted and or validated
Status of the LGU's Comprehensive Development Plan (CDP), Comprehensive Land Use Plan (CLUP), and Integrated Coastal Management Plan (ICMP) <i>i.e. adopted, formulating or draft</i>	Filled out form on the inventory on the status of CLUP, CDP and ICM plan	Done	All ICM plan of the LGUs (Sta.Cruz, Torrijos, Buenavista, Gasan, Boac and Mogpog) were undated
Ground validation of inventoried river systems to identify key threats and issues and ENR profiling	Ground thruted maps and filled out ENR profile form	Done	Filling out ENR profile will be facilitated in the fourth quarter
Notify the LGUs on the result of the inception phase	Letter to the Chief Executive containing the findings and recommendations	To be done	Fourth quarter target
Identification of the LGU to be prioritized	Memorandum to the BMB Director containing the name of the LGU to be prioritized base on the criteria for prioritization	To be done	Fourth quarter target



GROUND THUTHED/ VALIDATED RIVER AND CREEKS IN THE PROVINCE OF MARINDUQUE

- Legend:**
- River and Creeks
 - Municipal Boundary
 - MPAs
 - Protected Area-MWS

Prepared By:

CARLO M. WATTWAT
 Forest Technician II

Noted By:

MARIA ELENA M. PARANAQUE
 For: Il/Chief, CDS

