



March 23, 2023

MEMORANDUM

FOR : The Regional Executive Officer
DENR-MIMAROPA

THRU : The ARD for Technical Services

FROM : The OIC, PENR Officer
Oriental Mindoro

SUBJECT : **QUARTERLY REPORT ON THE CHARACTERIZATION AND VULNERABILITY ASSESSMENT OF BAROC RIVER FOR THE 1ST QUARTER CY 2023**

Submitted is the report of CENRO-Roxas under Soil Conservation and Watershed Management Unit on the Characterization and Vulnerability Assessment of Baroc River for the 1st Quarter CY 2023.

The activities conducted for the said management plan for this quarter include:

1. Creation of the Technical Working Group for the Baroc River Characterization and Vulnerability Assessment
2. Identification and coordination of key stakeholders within Municipal and Barangay LGUs of Mansalay, Oriental Mindoro for the said assessment
3. Orientation and leveling-off with coordinated stakeholders at the Municipal Conference Hall of Mansalay, Oriental Mindoro

Further details and photo-documentations of this report are attached herewith.

For information and record.


ALAN VALLE



PENRO Tracking No.: 2303000596
TSD-CDS/nedpm



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March 21, 2023

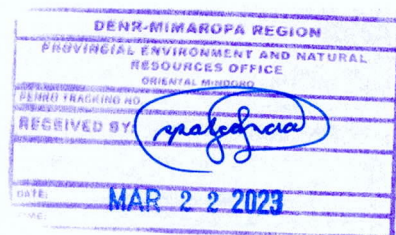
MEMORANDUM

FOR : The Regional Executive Director
1515 DENR By the Bay Building, Roxas Boulevard
Barangay 668, Ermita, Manila

THRU : The OIC-PENR Officer
Suqui, Calapan City, Or. Mindoro

FROM : The CENR Officer
San Mariano, Roxas, Or. Mindoro

SUBJECT : QUARTERLY REPORT ON THE CHARACTERIZATION AND
VULNERABILITY ASSESSMENT OF BAROC RIVER FOR
THE 1ST QUARTER CY 2023



Forwarded is the report under Soil Conservation and Watershed Management Unit on the Characterization and Vulnerability Assessment of Baroc River for the 1st Quarter activity for FY 2023.

For this quarter, a Technical Working Group was created to generate the Characterization and Vulnerability Assessment of the said watershed. The team conducted initial activity through coordination and identifying the key stakeholders. An orientation and levelling off with the key stakeholders were also conducted during the first quarter.

Attached is the Memorandum for the OIC-PENR Officer dated February 6, 2023 re: Watershed Characterization and Vulnerability Assessment of Baroc River in Mansalay, Oriental Mindoro, photo documentations on the conducted orientation with the created Technical Working Group, photo documentations on the initial coordination with the stakeholders and minutes of the said activity, photo documentation of the conducted orientation and levelling off with the Technical Working Group, and the result of the group discussion with the stakeholders.

For her information and record


ENGR. CAESAR E. QUEBEC
CENR Officer



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March 20, 2023

MEMORANDUM

FOR : The CENR Officer

FROM : Soil Conservation and Watershed Management Unit

SUBJECT : **QUARTERLY REPORT ON THE CHARACTERIZATION AND VULNERABILITY ASSESSMENT OF BAROC RIVER FOR THE 1ST QUARTER CY 2023**

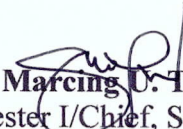
Respectfully submitted is the 1st quarter report on the Characterization and Vulnerability Assessment of Baroc River located within the Municipalities of Roxas and Mansalay, Oriental Mindoro.

During this quarter, DENR-CENRO Roxas, Oriental Mindoro has created a Technical Working Group, composed of Foresters and other personnel of CENRO Roxas and PENRO Oriental Mindoro, to generate the Characterization and Vulnerability Assessment of Baroc River. Thereafter, an orientation was conducted to the TWG to present the objective, outline of the activity, schedule of activities and other concerns of the said activity. In addition, Hiring of Project Development Officer to assist in the data gathering and finalization of output was also discussed during the orientation.

The team conducted initial activity through identifying and coordination with key stakeholders within Municipal and Barangay Local Government Unit of Mansalay and Roxas, Oriental Mindoro. Subsequently, invitation letters for the orientation and levelling off on the Characterization and Vulnerability Assessment of the said watershed were distributed to the identified stakeholders.

On March 15, 2023, the said orientation was held at the Municipal Conference Hall of Mansalay, Oriental Mindoro. The team presented the background of watershed, outline of the activity and process and methods for data gathering to be incorporated in the final output. During the orientation, group discussion was initiated to identify the problems and issues within Five Ecosystems (Forest, Upland, Grassland, Lowland/Urban and Coastal and Marine).

Attached is the Memorandum for the OIC-PENR Officer dated February 6, 2023 re: Watershed Characterization and Vulnerability Assessment of Baroc River in Mansalay, Oriental Mindoro, photo documentations on the conducted orientation with the created Technical Working Group, photo documentations on the initial coordination with the stakeholders and minutes of the said activity, photo documentation of the conducted orientation and levelling off with the Technical Working Group, and the result of the group discussion with the stakeholders.


Marcing U. Tugas
Forester I/Chief, SCWMU



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Orientation and Levelling-Off with Key Stakeholders on the Characterization and Vulnerability Assessment of Baroc River conducted on March 15, 2023 at Municipal Conference Hall of Mansalay, Oriental Mindoro



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Group discussions on the identification of problems and issues of Five (5) Ecosystems within Baroc River during the Orientation and Levelling-Off with Key Stakeholders



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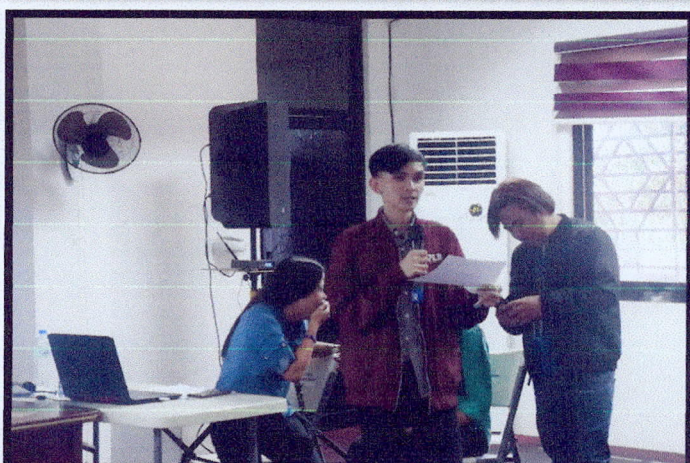
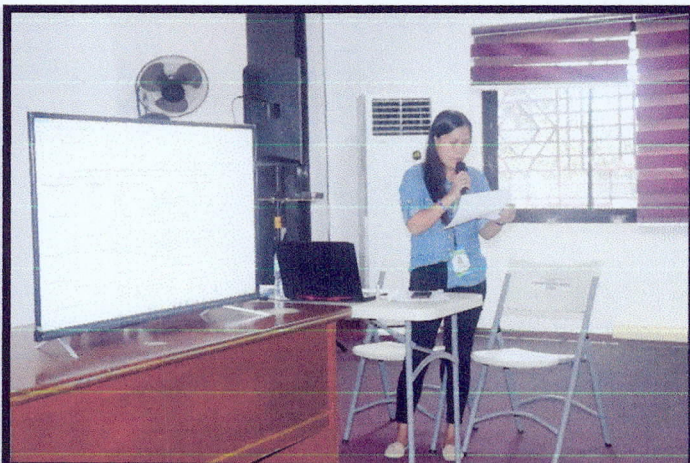
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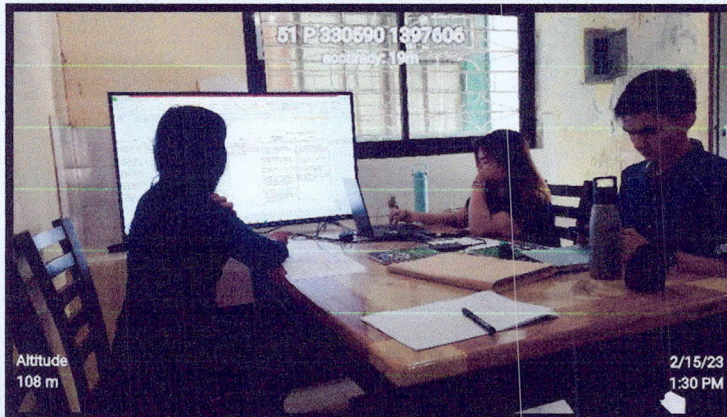
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Presentation of the identified problems and issues within Five (5) Ecosystems of Baroc River and group picture with the TWG and stakeholders



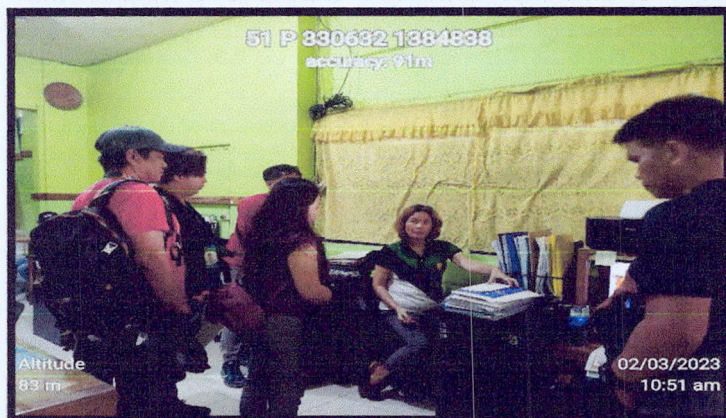
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Orientation with the created Technical Working Group on February 15, 2023
at DENR-CENRO Roxas, Oriental Mindoro



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Coordination with the Municipal and Barangay Local Government Unit of Mansalay and Roxas as the stakeholders of the Characterization and Vulnerability Assessment of Baroc River



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February 06, 2023

MEMORANDUM

FOR : The OIC, PENR Officer
Calapan City, Oriental Mindoro

FROM : The CENR Officer
Roxas, Oriental Mindoro

SUBJECT : WATERSHED CHARACTERIZATION AND VULNERABILITY
ASSESSMENT OF BAROC RIVER IN MANSALAY, ORIENTAL
MINDORO

This pertains to our target Watershed Characterization and Vulnerability Assessment of Baroc River under the Soil Conservation Watershed and Waters Resources Unit. This office respectfully submitted the list of personnel from this office to be part of Technical Working Group (TWG), to wit;

A. IEC/Coordination and Linkage's with the Stakeholders

1. JOSE T. MONTECALVO	-	SEMS/Chief CDS
2. MARCING U. TUGAS	-	Forester I/ CDS Staff
3. IVY MIGZYLO E. MACALALAG	-	Forester I/ CDS Staff
4. MARIELLE M. NGABIT	-	Forester I/ CDS Staff

B. Documenter

1. IRENEO HAMLET J. EUSTAQUIO	-	Forest Tech. II/CDS Staff
2. DALE MELCHOR A. ALAGAO	-	Admin Aide IV/CDS Staff
3. ARABELLE JOY V. TAMAYOSA	-	Forest Tech. I/CDS Staff
4. GINALYN U. PARIÑO	-	Forest Tech. I/CDS Staff
5. MARCELINA E. MAAMO	-	Forest Tech. I/CDS Staff

C. Flora And Fauna Assessment/Measurement of Water Discharge

1. RHEA G. AGUILO	-	Forester I/CDS Staff
2. ACE C. GLORIA	-	Forest Tech. I/CDS Staff



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- | | |
|-------------------------|-----------------------------|
| 3. DENNIS D. CARPIO | - Forest Tech. I/CDS Staff |
| 4. ANABELLE R. CASTILLO | - Forest Tech. II/CDS Staff |
| 5. ELMAR A. MAÑIBO | - Park Foreman /CDS Staff |

D. Mapping

- | | |
|-----------------------|----------------------------|
| 1. CHUCKLEE B. NGABIT | - Forester II/CDS Staff |
| 2. JERRY R. MANUCAY | - Ecoms I/CDS Staff |
| 3. LARRY E. HERILLA | - Forest Tech. I/CDS Staff |

For information and record.

ENGR. CAESAR E. QUEBEC



MINUTES OF THE ORIENTATION AND LEVELING OFF WITH KEY STAKEHOLDERS ON THE CONDUCT OF CHARACTERIZATION AND VULNERABILITY ASSESSMENT OF BAROC RIVER

In response to the Baroc Watershed Characterization and Vulnerability Assessment activity, this office conducted a Orientation and Levelling Off with Key Stakeholders in Municipal Hall of Mansaly on March 15, 2023 attended by MENRO of Mansalay and Roxas, MAO representatives, Barangay Captains, DPWH representatives, CENRO and PENRO Personnel, and concerned citizen.

During the said meeting/ consultation meeting, the following were noted and discussed:

- Mr. Jhonny Cayat, Barangay Councilor of Barangay Poblacion, Mansalay started the orientation with an opening prayer for guidance, knowledge and wisdom on the topic that will be discuss by the presenter.
- Acknowledgement of participants was conducted by Mr. Dale Alagao before the proper meeting started.
- An opening remarks led by Mr. Jose T. Montecalvo – Senior Ecosystem Management Specialist and Chief, Conservation and Development Section of CENRO Roxas. He highlighted the importance of Characterization and Vulnerability Assessment of a Watershed because it will become a key component of having a Management Plan in the two Municipalities. He also expresses his gratitude for the active responses of the Barangay Captains on the invitation of the Orientation Activity.
- A presentation on the Introduction of a Watershed was discussed by Forester Marcing Tugas – Unit Head of Soil Conservation and Watershed Management Unit. On his presentation he first explained what a Watershed is. “It is a land area drained by a stream of fixed body of water and its tributaries having a common outlet for surface run-off (PD 705)”. He also explains the importance of watershed as its gives life to a living organism especially human being. He highlighted the 19 Barangays that were covered the Baroc River. 13 Barangays in Mansalay namely; Panaytayan, Bonbon, Maliwanag, Balugo, Waygan, Sta. Teresita, Poblacion, B Del Mundo, Sta Maria, Roma, Villa Celestial, wasig and Sta Brigida and 6 Barangays in Roxas namely; Happy Valley, San Mariano, Little Tanuan, San Miguel, San Aquilino and San Vicente respectively.
- The continuation of the presentation was discussed by Forester Amor D. Asi – Supervising Ecosystem Management Specialist and Chief of Conservation and Development Section of PENRO, Or. Mdo. She discussed the Outline of the Characterization and Vulnerability Assessment Activity. She pointed out that the activities will not only involve the lowland and coastal areas as it will start from the

forest ecosystem. A ridge to reef approach is very important in Watershed Characterization because what ever happen on the top will affect the bottom – she stated. She pin point the importance of working together for a successful project that aims to have a sustainable resources in the future.

- An activity was also facilitated by the CENRO and PENRO Personnel. It is group activity where in each barangays within the group will identified their Issues and Concern regarding, Forest Ecosystem, Upland, Grassland, Lowland and Coastal Ecosystem. The common issues that were identified after the activity was all barangay can experience Soil erosion and flooding within their jurisdiction.
- The result of the workshop will be the basis of the office in conducting, Watershed Characterization and Vulnerability Assessment.
- Ms. Amor Asi, continued her presentation and give her closing remarks and applause the participants for a very productive Orientation.
- The Orientation activity ended at lunch time.

Attached is the photo documentation of the said activity.

Prepared by:

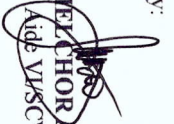

IVY MIGZALLO E. MACALALAG

LIST OF IDENTIFIED ISSUES AND PROBLEMS IN THE DIFFERENT TYPES OF ECOSYSTEMS OF BAROC WATERSHED

TYPE OF ECOSYSTEM	MUNICIPALITY	BARANGAY/S COVERED	ISSUES AND PROBLEMS IDENTIFIED
1. Forest Ecosystem	Mansalay	Roma	Soil Erosion, Flooding
		Sta. Brigida	no more native trees, prone to flooding
		Villa Celestial	Soil Erosion, Flooding
		Panaytayan	Paubos na ang mga endangered species dahil sa pagklabo ng kagubatan.
		Sta. Teresita	Nakakabong kagubatan/ ginagawang sitio ang ilang bahagi ng kagubatan
		Waygan	Nakakabong kagubatan dahil sa kaingin ng mga katutbo
		Maliwanag	pagpuputol ng kahoy (illegal kaingin)
		San Vicente	Charcoal production, Kaingin system, Illegal logging, Boundary Dispute
		Happy Valley	Charcoal production, Kaingin system, Illegal logging, Boundary Dispute
		Maliwanag	Uling, Kaingin, Pagtabag ng Lupa
2. Upland Ecosystem	Mansalay	Panaytayan	napalitan na ng mga tanim na halaman tulad ng mga niyog, mangga, avocado ang mga dating tanim nakatanim; nagkakaingin pero nagtatanim ng mga halaman
		Roma	Soil Erosion
		Waygan	Landslide dahil naubos ang mga puno
		Sta. Teresita	Landslide at sitio Badi at Sigong
		San Vicente	Landslide, Soil Erosion
		Happy Valley	Landslide, Soil Erosion
		Roxas	
		Maliwanag	Forest Fire
		Villa Celestial	some areas are partially converted to rice fields; major floods affecting even main roads extending to wasig; inadequate canal capacity
		Waygan	Landslide sa part ng kugonan
3. Grassland Ecosystem	Mansalay	Panaytayan	Forest Fire
		Roxas	Slash Burning
		San Vicente	

4. Lowland / Urban Ecosystem	Mansalay	Roma	Flood
		Panaytayan	Binabaha palagi ang aning Barangay, Malimit na paguho ng lupa, pagtuyot ng tubig na pinagkukunan ng inumin at iba pang pangangailangan sa tubig
		Maliwanang	Abandoned canal causing floods due to blockage, improper waste disposal, Basura within communities
		Sta. Brigida	Flooding
		Sta. Maria	Pagbaha na umaabot sa kabahayanan, Basura(improper waste disposal)
		Waygan	communities within faultline(nagbibitak bitak na lupa tuwing umuulan); landslide sa pamayanan due to low foundation ng lupa
	Roxas	Sta. Teresita	Flooding
		Little Tannuan	Flooding, River bank erosion and clog rivers and creeks
		San Aquilino	
		San Miguel	
5. Coastal and Marine Ecosystem	Mansalay	San Mariano	River waste affecting coastal fish sanctuary and sometimes high tide worsens floods on coasts; oil spill
		Sta, Brigida	Paubos na ang mga Mangrove sa So. Bagacay sa Pagawbaw gilid ng Fishpond
		Sta. Teresita	River waste affecting the marine turtle nesting sites
		Wasig	Baha galing Wasig River. Paglulumalim ay ngsasalubong ang baho bg Baroc at Wasig
		Sia Maria	Quary - identification of Boundary, Landslide (Political Boundary)
		Bonbon	Basura, Putik galing sa ilog ng Wasig at Baroc River
		B Del Mundo	Mababaw na ang ilog dahil sa tumatas na ang buhangin; naapektuhan ang sakahan dahil sa supply ng tubig
		Waygan	

Prepared by:



DALE MELCHORA ALAGAO
Admin. Aide VI SCWMU Staff

Reviewed by:



MARCINO P. PUGAS
Forester II Chief, SCWMU

Noted by:



JOSE L. MONTECALVO
SEMS/Chief, CDS