

October 27, 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 : DOCUMENTATION REPORT ON THE CONDUCTED

ACTIVITIES OF INCEPTION PHASE RE: INTEGRATED COASTAL MANAGEMENT (ICM) MAINSTREAMING THE COMPREHENSIVE LAND USE PLAN CLUP) OF THE SIX MLGUS IN THE

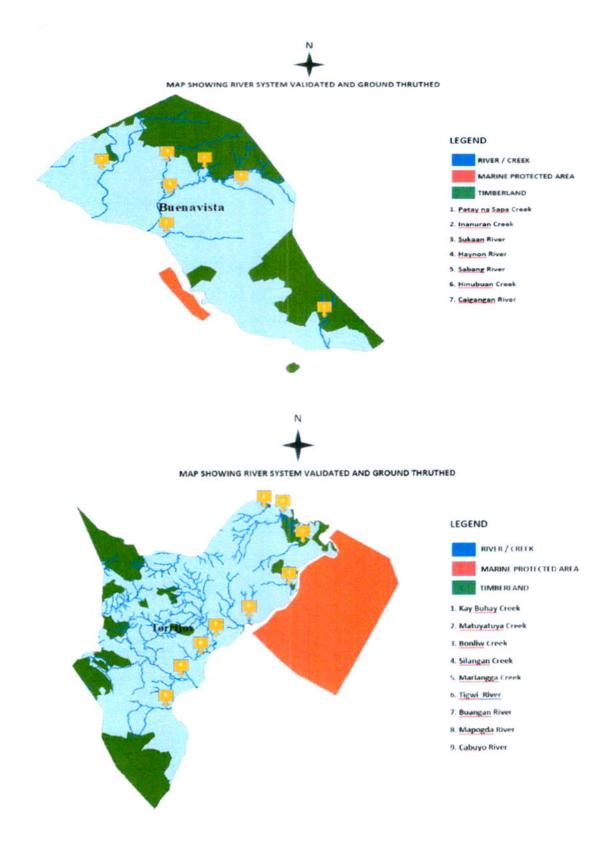
PROVINCE OF MARINDUQUE.

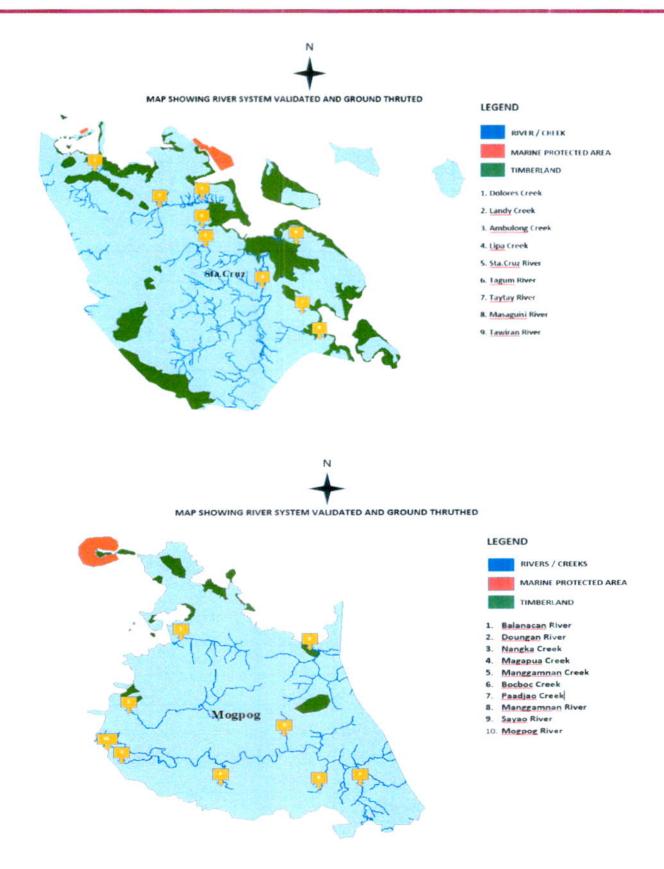
The Inception Phase of ICM mainstreaming comprised of the different activities enumerated in the BMB Technical Bulletin 2022-02 (Guide in mainstreaming the Integrated Coastal Management (ICM) Approach to the Local Government Units' Comprehensive Land Use Plan (CLUP). Primarily it serve as guide for DENR Field Offices in extending Technical Assistance to the LGUs on mainstreaming ICM into the 12 steps CLUP develop planning process. Listed below are the initial activities conducted/accomplished in the inception phase, to wit;

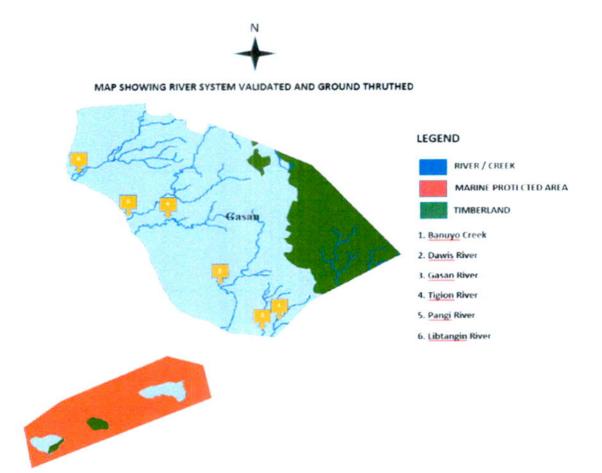
#### Mapping of River Systems

Mapping of river system influencing locally managed MPA was undertaken with the help of PENRO Marinduque GIS focal. The following maps show the location of inventoried rivers and creeks subjected to ground validation for each municipality in the province of Marinduque.











#### A. Ground Validation and Inventory of River Systems and ENR Profiling

#### 1. LGU Sta. Cruz

Several rivers and creeks such as those found located in Brgys Dolores, Landy, Lipa, Lapu-lapu, Tagum, Taytay and Masaguisi which 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 to have different pollutants coming from several drainage 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 influence of tides. Causing brown to black coloration of water of the river. In addition, crowded residential area and unusual wastes disposal especially plastics were found along canals and mangrove area. This is a clear threats to the marine ecosystems and habitats within the barangay and adjacent areas. Likewise, spoiled water from the public market, cemetery and esteros. All contaminants and pollutants 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.

#### 2. LGU Torrijos

Among rivers and creeks ground thruted /validated in the municipality of Torrijos, Marlangga Creek traversing the public market and nearby residential areas was observed threatened by wastes caming from the said areas. Poor water quality characterized with water discoloration and algae at the surface indicates that this creek is nearly polluted. Most likely observed on the other hand were presence of solid wastes such as plastics, organic wastes such as tree trunks, coconut husk and bamboo twigs and other trashes at small sizes.

#### 3. LGU Buenavista

Observations were noted that majority of rivers and creeks have solid wastes that immediately seen especially in the mouth of these rivers either floating in the surface or clogging along with other trashes. A presence of slash and burn was noted in private land Brgy. Bagtingon as well as agricultural areas/ rice fields in Brgy. Malbog and Poblacion, Buenavista. In addition livestock such piggery were seen in some adjacent residential areas. Moreover, quarrying activities were observed in major rivers of the municipalities. In fact, large volume of sand and gravel and boulders were currently stocked at the upper part of Caigangan river and said quarrying is still operated.

#### 4. LGU Gasan

Tiguion river in the municipality of Gasan which drained in coastal area of Poblacion is traversing beside municipal public market. Drainage secreting discharge from commercial areas were observed with tainted water and other pollutants. Plastic

wastes along with twigs/tree branches leaves and other organic debris were accumulated at the base of the bridged. This is similarly observes in Dawis River.

#### 5. LGU's Boac and Mogpog

For the municipalities of Mogpog and Boac, rivers and creeks validated were observed to have the same in terms of organic trashes/wastes and the common issue is the water coloration of its major rivers (Mogpog River, Boac River). It has greenish to blue coloration of water but were observed with existence of aquatic life species such as fish, shrimps and snails. It was also observed that residents used to wash their clothes in the river as well as a reactional area. Aside from these observations, there was also a quarrying at the upper part of Boac river especially in areas of Brgy. Sawi.

Table 1. List of rivers and creeks validated/ground thruted in 6 municipalities of Marinduque province.

No.	Name of River/Creek	Mun	Length (Km)	Outflow	Characteristics	Observed Threats
1	Dolores Creek	Sta. Cruz	4.35	Sayao Bay	Wet/flowing	Silted
2	Landy Creek	Sta. Cruz	4.32	Mongpong Pass	Wet/flowing	Households discharges
3	Ambulong Creek	Sta. Cruz	10.19	Mongpong Pass	Dry and vegetated	Erosion
4	Lipa Creek	Sta. Cruz	2.78	Mongpong Pass	Dry	None observed
5	Sta. Cruz River	Sta. Cruz	5.12	Mongpong Pass	Wet/flowing	Contaminated water from liestock facilities, public market, cemetery and residential areas. Scattered solid wastes (plastics)
6	Tagum River	Sta. Cruz	5.4	Sayao Bay	Wet/flowing	Agriculture and Acuaculture wastes
7	Taytay Creek	Sta. Cruz	2.53	Mongpong Pass	Dry	None observed
8	Masaguisi Creek	Sta. Cruz	1.52	Mongpong Pass	Dry	None observed
9	Tawiran River	Sta. Cruz	22.22	Mongpong Pass	Wet/flowing	Erosion, Agricultural wastes, households wastes, Quarrying
10	Balanacan River	Mogpog	3.47	Olong Bay	Wet/flowing	Contaminated water from liestock facilities and residential areas. Scattered plastic
11	Duungan River	Mogpog	7.25	Olong Bay	Wet/flowing	Agriculture wastes
12	Nangka Creek	Mogpog	2.18	Olong Bay	Wet/flowing	Solid wastes

13	Mangamnan Creek	Mogpog	2.75	Olong Bay	Wet/flowing	Agricultural wastes
14	Bocboc Creek	Mogpog	1.45	Olong Bay	Wet/flowing	Households discharges
15	Paadjao Creek	Mogpog	1.7	Olong Bay	Wet/flowing	None observed
16	Sayao River	Mogpog	2.78	Mongpong Pass	Wet/flowing	Solid wastes, wastes water from residential area
17	Magapua Creek	Mogpog	3.15	Olong Bay	Wet/flowing	Agircultural wastes
18	Mangamnan River	Mogpog	11.31	Olong Bay	Wet/flowing	Agircultural wastes
19	Bunganay Creek	Boac	4.53	Olong Bay	Wet/flowing	Solid wastes
21	Caganhao Creek	Boac	4.13	Olong Bay	Wet/flowing	Solid wastes
22	Balaring Creek	Boac	2.52	Olong Bay	Wet/flowing	Solid wastes
23	Boac River	Boac	30.03	Olong Bay	Wet/flowing	Erosion
24	Kay Buhay Creek	Torrijos	3.55	Marlanga Bay	Wet/flowing	Agriculturel wastes
25	Matuya-tuya creek	Torrijos	4.34	Marlanga Bay	Wet/flowing	Agriculturel wastes
26	Bonliw Creek	Torrijos	3.51	Marlanga Bay	Dry	None observed
27	Silangan Creek	Torrijos	2.82	Marlanga Bay	Dry	None observed
28	Marlangga Creek	Torrijos	3.05	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
29	Tigwi River	Torrijos	3.25	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
30	Buangan River	Torrijos	3.67	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area
31	Mapugda Creek	Torrijos	3.14	Marlanga Bay	Wet/flowing	Solid wastes
32	Cabuyo River	Torrijos	8.77	Marlanga Bay	Wet/flowing	Solid wastes, wastes water from residential area, livestock wastes
33	Banuyo Creek	Gasan	3.04	Tablas Straight	Wet/flowing	Agriultural waste
34	Dawis River	Gasan	8.51	Tablas Straight	Wet/flowing	Agricultural and solid waste
35	Gasan River	Gasan	8.49	Tablas Straight	Wet/flowing	Solid waste, Agricultural waste, livestock waste
36	Tiguion River	Gasan	10.47	Tablas Straight	Wet/flowing	Solid waste, Agricultural waste, livestock waste
37	Pangi river	Gasan	1.81	Tablas Straight	Wet/flowing	Solid waste

38	Libtangin river	Gasan	14.43	Tablas Straight	Wet/flowing	Agricultural wastes
39	Patay na sapa creek	Bueanavista	2.5	Tablas Straight	Dry	Agricultural wastes
40	Inanuran Creek	Bueanavista	3.51	Tablas Straight	Wet/flowing	Agricultural wastes and Solid waste
41	Sukaan River	Bueanavista	4.73	Tablas Straight	Wet/flowing	Agricultural waste
42	Haynon Creek	Bueanavista	5.2	Tablas Straight	Dry	Agricultural waste, solid waste
43	Sabang River	Bueanavista	8.83	Tablas Straight	Wet/flowing	Agricultural waste, solid waste
44	Hinubuan Creek	Bueanavista	4.3	Tablas Straight	Dry	Agricultural waste, solid waste
45	Caigangan River	Bueanavista	10.58	Tablas Straight	Dry	Agricultural waste, solid waste, quarrying. Caingin

#### B. Identification of LGU to be prioritized for ICM Mainstreaming

Considering the criteria for prioritization to identify the Local Government Unit (LGU) for ICM mainstreaming, it was identified that the Municipality of Boac will be the target LGU for C.Y 2024 technical assistance. The said municipality is currently updating their Comprehensive Land Use Plan (CLUP). Though this LGU haven't updated its ICM plan unlike with other LGUs, They are actively involved and engaged on the priority programs and environmental management interventions launched by the PENRO Marinduque. (See matrix containing the names of the LGUs with corresponding scores based on the criteria provided by the BMB Technical Bulletin No. 2022-02.) However, other LGUs were scheduled as shown in the roadmap of ICM mainstreaming activity.



Table 2. Status of LGU's Plans

Name of the LGU	Plans	Status	Remarks
Gasan	CLUP	Updating (Already endorsed by Provincial Land Use Committee to Sangguniang Panlalawigan	No ICM activities integrated/ incorporated to the plan
	CDP	Adopted	Plan approved covering 2022- 2028
	ICM	Draft	Undated (2017-2020)
Buenavista	CLUP	Adopted	Approved thru M.O No. 227 series of 2020
	CDP	None	
	ICM	Updating	
Torrijos	CLUP	Adopted	Plan approved covering 2019- 2028
	CDP		-
	ICM		-
Boac	ICM	No ICM plan	CRM training tentatively scheduled on April, 2023/
	CLUP	Updating	-
	CDP	-	
Mogpog	CLUP	Updating (Already endorsed by Provincial Land Use Committee to Sangguniang Panlalawigan	No ICM activities integrated/ incorporated to the plan
	ICM	No ICM	No ICM Plan
	CDP	-	-
Sta. Cruz	CLUP	Updating	Updating
	CDP	-	-,
	ICM	No ICM	No ICM Plan

Table 3. Prioritization of LGU in the ICM mainstreaming in the province of Marinduque

Identified LGUs	Status of CLUP (30%)	Status of ICM Plan (15%)	No. of River Systems (30%)	Database (10%)	LGU Partnership (15%)	
	Outdated (0.3%)	Adopted ICM Plan (.15%)	>5-4 (0.3%)	Updated annually (10%)	7-10 engaging (.15%)	Total
	Updating Drafted IC (0.2%) Plan (.10%)		3(0.2%)	Updated every 5 years (.05%)	4-6 engaging (.10%)	Score
	Updated (0.1%)	No ICM Plan (0%)	0-2 (0.1%)	No database (0%)	1-3 engaging (.05%)	
Boac	0.2	0.1	0.3	0.05	0.15	80%
Gasan	0.1	0.1	0.3	0.05	0.15	70%
Buenavista	0.1	0.1	0.2	0.05	0.15	60%
Torrijos	0.1	0.1	0.2	0.05	0.15	60%
Sta. Cruz	0.2	0.1	0.2	0.05	0.15	70%
Mogpog	0.1	0.1	0.3	0.05	0.15	70%

Table 4. Schedule of the LGU

OADMAP ON TH	HE PRIORITIZ		Us IN MAINSTRI F MARINDUQU		TO CLUP IN THE F	ROVINCE
Target year	2024	2025	2026	2027	2028	2029
Target LGUs	Boac	Gasan	Mogpog	Sta. Cruz	Buenavista	Torrijos

Attached are the photos of rivers and creeks validated/ground thruthed and other activities such as coordination with the concerns LGUs and filled up LGU ENR profiles.

OLIVER'R. MINAY

For information and records.

BRIAN INIGO F. LEANO

FTI

JOHN ANDREW

MAGCULANG



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







Mogpog River

 ${\tt Geo\text{-}tagged\ photos\ of\ rivers/creeks\ during\ ground\ validation/thruthing\ within\ municipality\ of\ Mogpog,\ Marinduque.}$ 



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















PHOTOS TAKEN DURING GROUND VALIDATION/TRUTHING WITHIN THE VICINITY OF STA CRUZ. MUNICIPALITY





PHOTOS TAKEN DURING GROUND VALIDATION/TRUTHING WITHIN THE VICINITY OF STA CRUZ. MUNICIPALITY

# Annex 2 · Checklist of data and map requirements for enr profile

Name of Municipality/City: MUNICIPALITY OF BOAC

ENR Parameters	Data Requirements	Map Requirements	(Present Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESENT
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	PRECENT
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PRESENT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	PRESENT
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	PRESENT
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	PRECENT

	Games refuge & bird sanctuary Protected Areas Military & Naval reservation Civil reservations Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease Stewardship contracts Other licenses, permits and leases		ABSFUT
Land Use/Cover	Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	PRESENT
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	PRESENT
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	ABSFUT
Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	PRESENT

# CHECKLIST OF DATA AND MAP REquincMEN'rs FoR ENR PROFILE

	eruptions		
	Occurrences of floods		
	Occurrences of droughts		
	Flood prone areas		
Location and Extent of Surface Freshwater Bodies	Type, location & extent of the following	Water Resources Map	
	Lakes and rivers Reservoirs	Hydrologic Map Map Showing River	PRESENT
	Main irrigation canals	Map Showing Actual	
		Stream	PPESELT
	Wetlands	Quality	1
Location and Extent/Size of	Location & extent of the following Marine and coastal resources	Fishpond Resources Map Coastal Resources Map	
Marine and Coastal Resources	Wetlands Seagrass Coral reefs Fishpond resources		PRESENT
General Groundwater Information	Water Table Location of wells and springs Aquifer recharge & discharge rates	Groundwater Map Groundwater Well Logs	ABSENT
	Groundwater yield Groundwater quality		
Water Use and Regulation	Water usage of springs and surface water by the population		ABSENT
Watershed Importance	Important uses of the watersheds		ABSENT
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		ABSENT
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		ABSENT
	General climate type Rainfall Air temperature		
General Climate Type	Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABGENT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		

Biodiversity/Vegetatio n/Flora of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced species, endangered species medical species and species of aesthetic species Population densities and species distribution Species diversity Distribution of vegetation types Standing crop Rate of biomass production Ecological species indicators Commercially valued species	Vegetation Cover Map Aerial Photographs	ABSENT
Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		ABSELT
Bacteria and Fungi	Beneficial bacteria and fungi Harmful bacteria and fungi		ABSENT
Dumpsites & Sewerage Systems	No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	PRESENT
ENR Cooperatives and NGOs Ancestral Domain	Type, name, address & type of services of cooperatives Name, address and services of NGOs Location of and classification of tribal group fesiding in ancestral domain Conflicting landclaims land uses and issue over	Ancestral Domain Map	PRESENT
Legal Institutional Jurisdiction of Natural Resources	ancestral domain Institutional jurisdiction of government agencies over natural resources		

Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	ABGENT
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program'project profile*.	ABSANT

Name of Municipality/City: MUNICIPALITY OF MOGPOG

ENR Parameters	Data Requirements	Map Requirements	(Present/ Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESENT
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	PRESENT
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PRESENT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	PRESENT
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	PRESERT
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	ABSENT

Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	PRESENT
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	PRESENT
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	PRETENT
Land Use/Cover	Stewardship contracts Other licenses, permits and leases Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	PREGENT
	Games refuge & bird sanctuary Protected Areas Military & Naval reservation Civil reservations Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease		ABSFUT

# CHECKLIST OF DATA AND MAP REquincMEN'rs FoR ENR PROFILE

	eruptions Occurrences of floods Occurrences of droughts Flood prone areas		
Location and Extent of Surface Freshwater Bodies	Type, location & extent of the following  Lakes and rivers Reservoirs	Water Resources Map Hydrologic Map Map Showing River	PRESENT
	Main irrigation canals Wetlands	Map Showing Actual Stream Quality	ABSENT
Location and Extent/Size of Marine and Coastal Resources	Location & extent of the following Marine and coastal resources Wetlands Seagrass Coral reefs Fishpond resources	Fishpond Resources Map Coastal Resources Map	PRECENT
General Groundwater Information	Water Table Location of wells and springs Aquifer recharge & discharge rates Groundwater yield Groundwater quality	Groundwater Map Groundwater Well Logs	ABSENT
Water Use and Regulation	Water usage of springs and surface water by the population		ABSENT
Watershed Importance	Important uses of the watersheds		ABSENT
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		ABSENT
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		ABGENT
General Climate Type	General climate type Rainfall Air temperature Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABSENT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		ABGENT

Biodiversity/Vegetatio n/Flora of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced species, endangered species medical species and species of aesthetic species Population densities and species distribution Species diversity Distribution of vegetation types Standing crop Rate of biomass production Ecological species indicators Commercially valued species	Vegetation Cover Map Aerial Photographs	ABSENT
Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		ABGENT
Bacteria and Fungi	Beneficial bacteria and fungi Harmful bacteria and fungi		ABSENT
Dumpsites & Sewerage Systems	No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	PRESENT ABSENT
ENR Cooperatives and NGOs Ancestral Domain	Type, name, address & type of services of cooperatives Name, address and services of NGOs Location of and classification of tribal group fesiding in ancestral domain Conflicting landclaims land uses and issue over	Ancestral Domain Map	ABSANT
Legal Institutional Jurisdiction of Natural Resources	ancestral domain Institutional jurisdiction of government agencies over natural resources		ABSENT

Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	ABSENT
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program'project profile*.	AB9ENT

Name of Municipality/City: MUNICIPALITY OF TORRIJOS

ENR Parameters	Data Requirements	Map Requirements	Status (Present/ Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESENT
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	PRASTANT
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PRESENT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	PREENT
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	\$PSFANT
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	PRESPORT

	Games refuge & bird sanctuary Protected Areas Military & Naval reservation		
	Civil reservations Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease Stewardship contracts Other licenses, permits and leases		PRESENT
Land Use/Cover	Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	PRESTANT
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	PRESENT
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	ABSPUT
Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	PRESENT

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	Main irrigation canals Wetlands	Map Showing Actual Stream Quality	
Location and Extent/Size of Marine and Coastal Resources	Location & extent of the following Marine and coastal resources Wetlands Seagrass Coral reefs Fishpond resources	Fishpond Resources Map Coastal Resources Map	PRESENT
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Water Use and Regulation	Water usage of springs and surface water by the population		SBJEAN
Watershed Importance	Important uses of the watersheds		
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		PROFEM
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		
General Climate Type	General climate type Rainfall Air temperature Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABJONT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		ABJENT

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Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		XASTAN T
Bacteria and Fungi	Beneficial bacteria and fungi	<del></del>	MBJFMT
Dumpsites & Sewerage Systems	Harmful bacteria and fungi No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	phesisx
ENR Cooperatives and NGOs Ancestral Domain	Type, name, address & type of services of cooperatives Name, address and services of NGOs Location of and classification of tribal group fesiding in ancestral domain Conflicting landclaims land uses and issue over ancestral domain	Ancestral Domain Map	PARSTANT ABSTANT ARSTANT
Legal Institutional Jurisdiction of Natural Resources	Institutional jurisdiction of government agencies over natural resources		PRESTAT

Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	PRESPOR
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program'project profile*.	PR-F87200

Name of Municipality/City: MUNICIPALITY OF CASAN

ENR Parameters	Data Requirements	Map Requirements	Status (Present/ Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESENT
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	PRESENT
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PRESENT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	PRESENT
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	PRESENT
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	PRESENT

	Games refuge & bird sanctuary Protected Areas Military & Naval reservation Civil reservations Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease Stewardship contracts Other licenses, permits and leases		ABGENT
Land Use/Cover	Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	PRESERVIT
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	ABGALT
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	ABSENT
Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	present

# CHECKLIST OF DATA AND MAP REquincMEN'rs FoR ENR PROFILE

	eruptions Occurrences of floods Occurrences of droughts Flood prone areas		
Location and Extent of Surface Freshwater Bodies	Type, location & extent of the following Lakes and rivers Reservoirs	Water Resources Map Hydrologic Map Map Showing River	PRESENT
	Main irrigation canals Wetlands	Map Showing Actual Stream Quality	PLESENT
Location and Extent/Size of Marine and Coastal Resources	Location & extent of the following Marine and coastal resources Wetlands Seagrass Coral reefs Fishpond resources	Fishpond Resources Map Coastal Resources Map	LBSFAT
General Groundwater Information	Water Table Location of wells and springs Aquifer recharge & discharge rates Groundwater yield Groundwater quality	Groundwater Map Groundwater Well Logs	ABSTRUT
Water Use and Regulation	Water usage of springs and surface water by the population		ABSENT
Watershed Importance	Important uses of the watersheds		ARSENT
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		PRESENT
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		ARCENT
General Climate Type	General climate type Rainfall Air temperature Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABSENT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		ABSENT

Biodiversity/Vegetatio n/Flora of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced species, endangered species medical species and species of aesthetic species Population densities and species distribution Species diversity Distribution of vegetation types Standing crop Rate of biomass production Ecological species indicators Commercially valued species	Vegetation Cover Map Aerial Photographs	ÅBSENT
Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		ABSENT
Bacteria and Fungi	Beneficial bacteria and fungi Harmful bacteria and fungi		AKENT
Dumpsites & Sewerage Systems	No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	ARSONT PRESENT PRESENT
ENR Cooperatives and NGOs Ancestral Domain	Type, name, address & type of services of cooperatives Name, address and services of NGOs Location of and classification of tribal group fesiding in ancestral domain Conflicting landclaims land uses and issue over ancestral domain	Ancestral Domain Map	ABSENT
Legal Institutional Jurisdiction of Natural Resources	Institutional jurisdiction of government agencies over natural resources		

Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	ABCENT
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program'project profile*.	ABSANT

Name of Municipality/City: MUNICIPALITY OF BUCHAVICTA

ENR Parameters	Data Requirements	Map Requirements	Status (Present/ Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESEN1
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	91225PW1
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PTVFSPVT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	Presex
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	Proper
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	PIVESENT

	Games refuge & bird sanctuary Protected Areas Military & Naval reservation		
	Civil reservations Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease Stewardship contracts Other licenses, permits and leases		SASTANT
Land Use/Cover	Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	PIZEJAM
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	proported
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	SPOSTENT
Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	SPSTAT MYZETAN

## CHECKLIST OF DATA AND MAP REquincMEN'rs FoR ENR PROFILE

	Occurrences of floods		
	Occurrences of droughts Flood prone areas		
Location and Extent of Surface Freshwater Bodies	Type, location & extent of the following	Water Resources Map	PRESENT
Doules	Lakes and rivers Reservoirs	Hydrologic Map Map Showing River	
	Main irrigation canals Wetlands	Map Showing Actual Stream Quality	PRESENT
	Location & extent of the	Fishpond Resources	
Location and Extent/Size of Marine and Coastal Resources	following Marine and coastal resources Wetlands Seagrass Coral reefs Fishpond resources	Map Coastal Resources Map	present
General Groundwater Information	Water Table Location of wells and springs Aquifer recharge & discharge rates Groundwater yield Groundwater quality	Groundwater Map Groundwater Well Logs	PRESEM
Water Use and Regulation	Water usage of springs and surface water by the population		PRESENT
Watershed Importance	Important uses of the watersheds		
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		PAFIANT
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		APSENT
	General climate type Rainfall Air temperature		lare. T
General Climate Type	Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABSENT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		ABSENT

Biodiversity/Vegetatio n/Flora of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced species, endangered species medical species and species of aesthetic species Population densities and species distribution Species diversity Distribution of vegetation types Standing crop Rate of biomass production Ecological species indicators Commercially valued species	Vegetation Cover Map Aerial Photographs	\$β1FiNT
Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		PRESTAN
Bacteria and Fungi	Beneficial bacteria and fungi Harmful bacteria and fungi		XPOSTAUT
Dumpsites & Sewerage Systems	No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	PHEREAL
ENR Cooperatives and NGOs	Type, name, address & type of services of cooperatives Name, address and services of NGOs		ABSFANT
Ancestral Domain	Location of and classification of tribal group fesiding in ancestral domain  Conflicting landclaims land uses and issue over ancestral domain	Ancestral Domain Map	ABSTANT
Legal Institutional Jurisdiction of Natural Resources	Institutional jurisdiction of government agencies over natural resources		PRESENT

Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	PAEJFAT
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program' project profile*.	PRESENT

Name of Municipality/City: MUNICIPALITY OF STA CRUZ

ENR Parameters	Data Requirements	Map Requirements	Status (Present/ Absent)
Geography	Total Land area, area by barangay No. of barangays and sitios Relative Location Absolute location Number of barangays and sitios Boundaries with respect to the province	Topographic Map, Cadastral maps, tax maps Provincial map Administrative Map	PRESENT
Geology and Geomorphology	Major geologic structures Land formation Slope stability Landslide potential Hazard potential Areas within fault lines	Geologic Map Geomorphic or Landform Map	PRESENT
Topography, Slope Aspect and Elevation	General topography of the area Slope Slope Aspect Elevation	Topographic Map Slope Map Slope Aspect Map Elevation Map	PRESENT
Soils	Type of soils Soil type characteristics Area coverage of soil type Land capability classes Characteristics of land capability Classes Area coverage of land capability Classes basis for capability classification soil erosion	Soil Map Land Capability Map Soil Suitability Map Soil Erosion Map	PRESENT
Drainage, tributary patters and catchment areas	Types of drainage pattern Drainage Density Name and location of drainage Basins	Drainage Map	ABSENT
Land Classification and Regulatory Status	Types of land classification and Regulatory status Total land area of: Certified A & D land Unclassified forestland Classified forestland as Established forest reservation Established timberland National parks Reservations covered by Proclamations, DENR projects, other protected areas	Land Classification and Regulatory Map  Legal Status Map	ABGENT

	Games refuge & bird sanctuary Protected Areas Military & Naval reservation Civil reservations		
	Fishpond Number, location and land area of the ff: Timber license agreements Pasture permits and leases Industrial tree plantations Tree farm lease Agroforestry fann lease Stewardship contracts Other licenses, permits and leases		ABSENT
Land Use/Cover	Existing land use and extent of coverage Agriculture: highly restricted conditionally restricted for conversion areas marginal to agriculture Areas suitable to agricultural expansion and the recommended crops or activities for each area Forest: old growth forest secondary forest mossy agroforestry reforestation Protected areas Tourism areas Residential Commercial Institutional Industrial Utilities Infrastructure	Land Use Map (general and urban) Vegetation Cover Map Protected Areas for Agriculture Map Key Production Areas Map	ABSENT
Land Ownership Pattern	Average area of landholding by type of land use List landowners with landholdings 10 hectares and above	Location map of large landholdings	PHESENT
Mineral Resource and Reserves	Type and location of deposits Type and location of mining sites Mineral resources surveys	Mineral Location Map	PRESEUT
Natural Disasters	Occurrences of earthquake Occurrences of landslides Occurrences of volcanic	Typhoon Prone Areas Map Flood prone Areas Map Fault lines	PRESENT

# CHECKLIST OF DATA AND MAP REquincMEN'rs FoR ENR PROFILE

	eruptions		
	Occurrences of floods Occurrences of droughts		
	Flood prone areas		
Location and Extent of Surface Freshwater Bodies	Type, location & extent of the following  Lakes and rivers	Water Resources Map  Hydrologic Map	PRESENT
	Reservoirs	Map Showing River	
	Main irrigation canals	Map Showing Actual Stream	PRESENT
	Wetlands	Quality	,,,
Location and Extent/Size of Marine and Coastal Resources	Location & extent-of the following Marine and coastal resources Wetlands Seagrass Coral reefs Fishpond resources	Fishpond Resources Map Coastal Resources Map	ABGENT
General Groundwater Information	Water Table Location of wells and springs Aquifer recharge & discharge rates Groundwater yield Groundwater quality	Groundwater Map Groundwater Well Logs	ABSENT
Water Use and Regulation	Water usage of springs and surface water by the population		ASSENT
Watershed Importance	Important uses of the watersheds		ABGENT
Surface Water/Stream Conditions	Water quality Sedimentation Surface water runoff rate Streamflow variations		ADSFHT
Prevailing Tidal Fluctuations	Tidal fluctuations Tide gauging stations		ABSENT
General Climate Type	General climate type Rainfall Air temperature Wind velocity Wind patterns Relative humidity Soil & water evaporation rates		ABSOUT
Air Quality	Sulfur dioxide content of the atmosphere Carbon dioxide content of the Atmosphere		ARSONT

Biodiversity/Vegetatio n/Flora of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced species, endangered species medical species and species of aesthetic species Population densities and species distribution Species diversity Distribution of vegetation types Standing crop Rate of biomass production Ecological species indicators Commercially valued species	Vegetation Cover Map Aerial Photographs	ABSENT
Biodiversity/Fauna of the following ecosystems: Forest Grassland Cropland/agricultural Urban Lakes & rivers Coastal	Species composition as to endemic species, introduced: species, endangered species: migratory species of scientific and aesthetic interest Population densities and Distribution Species diversity Biomass production/ productivity Ecological/species indicators Commercially valued species		ADGRUT
Bacteria and Fungi	Beneficial bacteria and fungi Harmful bacteria and fungi		ABSENT
Dumpsites & Sewerage Systems	No. and location of dumpsites  Rate of solid waste generation Type of solid waste mgt. system Type, no. and location of sewerage and waste disposal systems	Location Map of dumpsites Sewerage Layout	PRESENT
ENR Cooperatives and NGOs Ancestral Domain	Type, name, address & type of services of cooperatives Name, address and services of NGOs Location of and classification of tribal group fesiding in ancestral domain	Ancestral Domain Map	ÄBSPAT
	Conflicting landclaims land uses and issue over ancestral domain		ASSENT
Legal Institutional Jurisdiction of Natural Resources	Institutional jurisdiction of government agencies over natural resources		

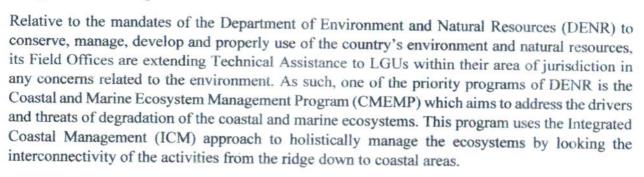
Legislation on ENR planning, development and management	National, provincial and municipal legislations on environment and natural resources relevant to the LGU	ABGENT
Plans, programs and projects	Ctipics th provincial and municipal LNG development and management plans and program'project profile*.	ABGENT

October 26, 2023

HON. LORNA Q. VELASCO Municipal Mayor Torrijos, Marinduque

Dear Mayor Velasco,

Isang makakalikasang araw!



OFFICE OF THE MAYOR

In addition, the DENR through its Biodiversity Management Bureau which is the implementer of CMEMP, consulted the Department of the Interior and Local Government through its Bureau of Local Government and Development (DILG-BLGD) and the Department of Human Settlement and Urban Development (DSHUD) to discuss the mainstreaming of the ICM approach into the Comprehensive Land Use Plan (CLUP) as part of the rationalization of the planning system

In this regard, this office would like to commit our technical capabilities, available data and knowledge by being a member of the Technical Working Group on the development of your Comprehensive Land Use Plan. We are looking forward to receiving your invitation in the future TWG meetings.

Attached is the matrix of criteria for LGU prioritization for ICM mainstreaming into CLUP including other documents such as river and creeks validation result and status of LGU plans for your reference.

Very truly yours,



Republic of the Philippines Department of Environment and Natural Resources

PENRO MARINDUQUE

October 26, 2023

HON. EDUARD L. SIENA

Municipal Mayor Buenavista, Marinduque

Dear Mayor SIENA,

Isang makakalikasang araw!

Relative to the mandates of the Department of Environment and Natural Resources (DENR) to conserve, manage, develop and properly use of the country's environment and natural resources, its Field Offices are extending Technical Assistance to LGUs within their area of jurisdiction in any concerns related to the environment. As such, one of the priority programs of DENR is the Coastal and Marine Ecosystem Management Program (CMEMP) which aims to address the drivers and threats of degradation of the coastal and marine ecosystems. This program uses the Integrated Coastal Management (ICM) approach to holistically manage the ecosystems by looking the interconnectivity of the activities from the ridge down to coastal areas.

In addition, the DENR through its Biodiversity Management Bureau which is the implementer of CMEMP, consulted the Department of the Interior and Local Government through its Bureau of Local Government and Development (DILG-BLGD) and the Department of Human Settlement and Urban Development (DSHUD) to discuss the mainstreaming of the ICM approach into the Comprehensive Land Use Plan (CLUP) as part of the rationalization of the planning system

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Very truly yours,

October 26, 2023

HON. ROLANDO O. TOLENTINO Municipal Mayor

Gasan, Marinduque

Dear Mayor Tolentino,

Isang makakalikasang araw!

Office of the Mayor Gasan, Marinduque RECEIVED

Date 31 -10- 2023

Relative to the mandates of the Department of Environment and Natural Resources (DENR) to conserve, manage, develop and properly use of the country's environment and natural resources, its Field Offices are extending Technical Assistance to LGUs within their area of jurisdiction in any concerns related to the environment. As such, one of the priority programs of DENR is the Coastal and Marine Ecosystem Management Program (CMEMP) which aims to address the drivers and threats of degradation of the coastal and marine ecosystems. This program uses the Integrated Coastal Management (ICM) approach to holistically manage the ecosystems by looking the interconnectivity of the activities from the ridge down to coastal areas.

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Very truly yours,

October 26, 2023

#### HON. MARRISA RED-MARTINEZ Municipal Mayor Sta.Cruz, Marinduque



Dear Mayor Martinez,

Isang makakalikasang araw!

Relative to the mandates of the Department of Environment and Natural Resources (DENR) to conserve, manage, develop and properly use of the country's environment and natural resources, its Field Offices are extending Technical Assistance to LGUs within their area of jurisdiction in any concerns related to the environment. As such, one of the priority programs of DENR is the Coastal and Marine Ecosystem Management Program (CMEMP) which aims to address the drivers and threats of degradation of the coastal and marine ecosystems. This program uses the Integrated Coastal Management (ICM) approach to holistically manage the ecosystems by looking the interconnectivity of the activities from the ridge down to coastal areas.

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In this regard, this office would like to commit our technical capabilities, available data and knowledge by being a member of the Technical Working Group on the development of your Comprehensive Land Use Plan. We are looking forward to receiving your invitation in the future TWG meetings.

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Very truly yours,

# Republic of the Philippines Department of Environment and Natural Resources PENRO MARINDUQUE

October 26, 2023

HON. AUGUSTO LEO M. LIVELO Municipal Mayor Mogpog, Marinduque

Dear Mayor Livelo,

Isang makakalikasang araw!



Relative to the mandates of the Department of Environment and Natural Resources (DENR) to conserve, manage, develop and properly use of the country's environment and natural resources, its Field Offices are extending Technical Assistance to LGUs within their area of jurisdiction in any concerns related to the environment. As such, one of the priority programs of DENR is the Coastal and Marine Ecosystem Management Program (CMEMP) which aims to address the drivers and threats of degradation of the coastal and marine ecosystems. This program uses the Integrated Coastal Management (ICM) approach to holistically manage the ecosystems by looking the interconnectivity of the activities from the ridge down to coastal areas.

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Attached is the matrix of criteria for LGU prioritization for ICM mainstreaming into CLUP including other documents such as river and creeks validation result and status of LGU plans for your reference.

Very truly yours,



# Republic of the Philippines Department of Environment and Natural Resources PENRO MARINDUQUE



October 26, 2023

HON. ARMI DC. CARRION Municipal Mayor Boac, Marinduque

Dear Mayor Carrion,

Isang makakalikasang araw!

Relative to the mandates of the Department of Environment and Natural Resources (DENR) to conserve, manage, develop and properly use of the country's environment and natural resources, its Field Offices are extending Technical Assistance to LGUs within their area of jurisdiction in any concerns related to the environment. As such, one of the priority programs of DENR is the Coastal and Marine Ecosystem Management Program (CMEMP) which aims to address the drivers and threats of degradation of the coastal and marine ecosystems. This program uses the Integrated Coastal Management (ICM) approach to holistically manage the ecosystems by looking the interconnectivity of the activities from the ridge down to coastal areas.

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In this regard, this office would like to commit our technical capabilities, available data and knowledge by being a member of the Technical Working Group on the development of your Comprehensive Land Use Plan. We are looking forward to receiving your invitation in the future TWG meetings.

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