



Republic of the Philippines

**Department of Environment and Natural Resources**

**BIODIVERSITY MANAGEMENT BUREAU**

Ninoy Aquino Parks and Wildlife Center

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**BMB TECHNICAL BULLETIN**  
**NO. 2018- 04**

**OCT 12 2018**

**SUBJECT:            PRESCRIBING THE TEMPLATES FOR THE ASSESSMENT  
                              REPORT AND MAP OF PROPOSED CRITICAL HABITAT**

In pursuit of Section 4 of DENR Memorandum Circular No. 2007-02 (Guidelines on the Establishment and Management of Critical Habitat) providing for the procedures and requirements for the establishment of critical habitats for threatened wildlife species, and in order to promote the use of standard formats of technical documentary requirements for the establishment of such critical habitats, the outline template for the preparation of assessment report (Annex "A") and the layout template on the textual and visual elements of the map (Annex "B") for each proposed critical habitat are hereby adopted.

This Technical Bulletin is issued for the information and guidance of all concerned.

  
**CRISANTA MARLENE P. RODRIGUEZ**  
Director

**CRITICAL HABITAT ASSESSMENT REPORT FORMAT**

Name of area : \_\_\_\_\_

Location : \_\_\_\_\_

Total area covered (in hectare): \_\_\_\_\_

Area (in hectare) of each ecosystem type covered by the proposed CH):

Forest: \_\_\_\_\_

Wetland:

Inland (e.g. lake, swamp, river, etc.) \_\_\_\_\_

Coastal (e.g. shorelines, beaches, mangroves and coral reefs): \_\_\_\_\_

Other ecosystem type (please specify): \_\_\_\_\_

Date of assessment : \_\_\_\_\_

**I. GENERAL INFORMATION:**

- a. Geographic location and accessibility
- b. General topography and physiography
- c. Geology
- d. Climatic conditions

**II. PARAMETERS**

- a. Threatened species present in the area

	Species			Population Estimates (if available)	Conservation Category (Critically endangered, Endangered, Vulnerable or Other Threatened Species based on existing DENR Administrative Orders on threatened plants and animals)	Residency Status (e.g. endemic, indigenous, migratory, resident migrant)
	Scientific Name	Common/English Name	Local Name			
A. Wild Fauna						
B. Wild Flora						

- b. Non-threatened wildlife resources present in the area

	SPECIES			Residency Status (e.g. Endemic, Indigenous, Migratory, Resident migrant, exotic/introduced)
	Scientific Name	Common/English Name	Local Name	
A. Wild Fauna				
B. Wild Flora				

- c. Status of ecosystem and habitat type/s (provide description per ecosystem/habitat types in terms of elevation, vegetative cover, dominant species; if the area is intact or damaged/polluted, etc.)

c.1. Use of the area by the threatened species (e.g. roosting, nesting, breeding, wintering, foraging, among other ecological, socio-economic/cultural significance of the area)

c.2. Man-made pressures/threats to the survival of wildlife in the area. Identify and describe each of the man-made pressures/threats present in the area (e.g. Hunting / poaching, slash and burn, deforestation, squatting, mining, quarrying, pollution, etc.)

d. Information on area occupants/settlers

Name of the Group / Name of occupants (head of the family only)	Number of family members	Area occupied (in sq.m)	Duration of tenureship (in years)	Livelihood activities

- e. Existing land-uses, tenurial instruments and claims. Identify and describe each of the existing land-uses, tenurial instruments, and claims (e.g. Integrated Forest Management Agreement, Forest Land Grazing Management Agreement, Mineral Lands Agreement, Foreshore Agreement, Agro-forest, private resort use, etc.)
- f. Management issues and interventions (specify each management issue/constraint and existing interventions, including projects/activities, if any, by the government, partners, etc.)

**III. ADDITIONAL INFORMATION GATHERED**

**IV. REMARKS/RECOMMENDATIONS**

**V. PHOTOS (Geo-tagged)**

ACCOMPLISHED BY:

TEAM LEADER

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TEAM MEMBERS:

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ATTESTED BY:

\_\_\_\_\_  
CENRO/PENRO

CONCURRED BY:

\_\_\_\_\_  
Regional Director

## MAP LAYOUT FOR CRITICAL HABITAT

1. **Paper:** Mylar
2. **Map layout Size:** A1
3. **Title:** Should specify the flagship species for conservation in the proposed CH e.g Mt. Sinaka Critical Habitat for Philippine Eagle and Other Threatened Wildlife Species.
4. **Spatial Information:**
  - a. **Scale** - The scale should be specified on the map; it may range from 1:10,000 to 1:100,000 depending on what will fit on the A1 bond size.
  - b. **Datum:** Philippine Reference System of 1992 (PRS92)
  - c. **Projection:**  
For scale of 1:10,000, use PRS92 PTM Projection  
For scale over 1:10,000, use PRS92 UTM Projection
5. **Technical Description:**
  - Present the complete and detailed technical description (Bearing [Degrees, Minutes and Seconds], Direction [NE, NW, etc.], and Distance [in meters]).
  - Tie Point (use PRS92 control points as reference)
6. **Map Features:**
  - Reflect all other important physical features (e.g. Road, River, etc.) and other details (e.g. specific location of the proposed CH – Barangay, Municipality, Province, Region).
  - Include a disclaimer statement at the bottom of the map with **“Note: Political boundaries depicted on the map are not authoritative.”** This is applicable to all whether the political boundaries are official or not.
7. **Map No. (to be placed at the upper right corner of the map)**
  - This is the code assigned to the particular CH map to differentiate it from other maps. It shall include the Regional Office number, the main focus and the serial number of the map.

Example: *R12-CH-01*

R12 = Region 12  
CH = Critical Habitat  
01 = number assigned to a CH proposed for establishment (CH map should be numbered in sequential order of establishment)
8. **Location Map:**  
This is the diagrammatic representation of the location of the CH in relation to the whole Regional area of jurisdiction and the Philippines.
9. **Certification of the map:**  
  
Use this statement: “We, hereby, certify that this is the correct map of the (title of the map) designated pursuant to RA 9147 or the Wildlife Resources Conservation and Protection Act and DENR Memorandum Circular No. 2007-02. Delineation Team of PENRO \_\_\_\_\_, DENR Region \_\_\_\_\_ has delineated this area in accordance with the standard reference on survey and mapping of the DENR.”
10. **Signatories**  
*Prepared By:* Technical personnel who drafted the map  
*Checked and Verified By:* Immediate Supervisor/Section Chief of the preparer and Division Chief of Surveys and Mapping Division  
*Recommended By:* Regional Director and BMB Director  
*Approved By:* DENR Secretary

**A sample copy of the CH map is attached as Annex “B.1”**



**MT. SINAKA CRITICAL HABITAT FOR THE PHILIPPINE EAGLE AND OTHER THREATENED WILDLIFE SPECIES**

BARANGAYS DATU LADAYON, LANAOK KURAN,  
SALASANG, SAN MIGUEL & TUMANDING  
MUNICIPALITY OF ARAKAN  
PROVINCE OF NORTH COTABATO  
REGION XII

SCALE 1:40,000  
1cm = 400m

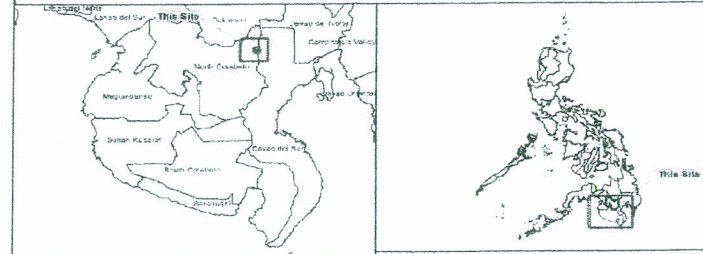


SPHEROID: Clarke 1866  
PROJECTION: Universal Transverse Mercator (UTM), Zone 51 N  
HORIZONTAL DATUM: Philippine Reference System of 1992 (PRS 1992)  
VERTICAL DATUM: Mean Sea Level

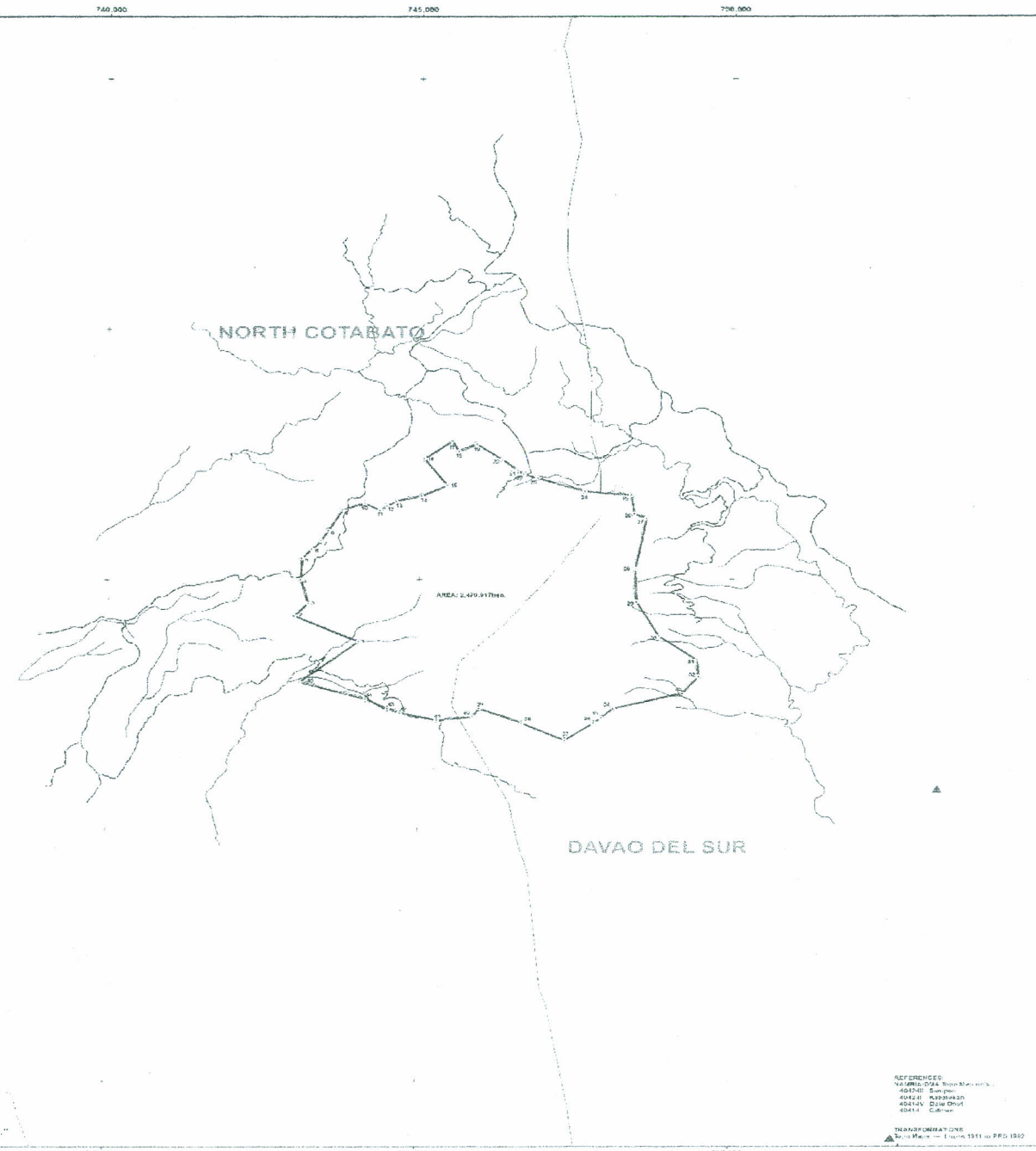
**LEGEND**

- ▲ PRS92 Control Monument
- Critical Habitat Corners
- ~ Critical Habitat Boundary Line
- ~ River
- ~ Road
- ~ Municipal Boundary (Not Authoritative)
- ~ Provincial Boundary (Not Authoritative)

**LOCATION MAP**



TECHNICAL DESCRIPTION		
COBZONE		
TIE POINT (PR502)		
Longitude: 125° 7' 22.0360"		
Latitude: 7° 14' 30.04"		
TIE LINE		
LINE	BEARING	DISTANCE (m)
1-2	N 89° 58' 12" W	1,094.949
2-3	S 62° 30' 50" E	540.589
3-4	N 50° 25' 09" W	438.570
4-5	N 2° 20' 37" E	452.261
5-6	S 42° 58' 32" E	780.603
6-7	N 42° 22' 42" E	319.726
7-8	N 88° 21" E	742.271
8-9	N 58° 22' 48" E	431.642
9-10	N 70° 51' 07" E	374.870
10-11	S 69° 11" E	321.558
11-12	N 55° 25' 27" E	344.977
12-13	N 52° 31' 36" E	177.334
13-14	N 78° 27' 56" E	420.559
14-15	N 89° 30' 30" E	272.836
15-16	N 35° 48' 22" W	657.233
16-17	S 52° 22' 44" E	594.176
17-18	S 24° 02' 13" E	202.812
18-19	N 62° 22' 26" E	826.117
19-20	S 32° 26' 30" E	330.202
20-21	N 68° 17' 48" E	471.002
21-22	N 14° 17' 17" E	149.640
22-23	S 21° 44' 42" E	246.112
23-24	N 87° 54' 15" E	361.608
24-25	S 82° 10' 49" E	721.133
25-26	S 0° 23' 42" E	861.074
26-27	S 05° 37' 20" E	214.827
27-28	S 4° 39' 34" W	1,027.407
28-29	S 1° 30' 20" E	860.540
29-30	S 22° 27' 28" E	780.541
30-31	S 51° 03' 02" E	780.178
31-32	S 32° 22' 37" E	336.885
32-33	S 27° 45' 20" W	716.929
33-34	S 28° 18' 28" E	1,327.390
34-35	S 45° 32' 26" W	280.146
35-36	S 47° 32' 42" W	446.068
36-37	S 1° 17' 48" W	548.800
37-38	N 85° 18' 57" W	791.180
38-39	N 67° 29' 17" W	241.462
39-40	S 22° 08' 01" W	186.769
40-41	S 82° 26' 01" W	561.322
41-42	N 70° 38' 11" W	600.704
42-43	N 65° 09' 10" W	216.684
43-44	N 63° 07' 54" W	410.874
44-45	N 71° 58' 20" W	1,111.088
45-4	N 49° 23' 43" E	1,200.625



NOTE: "Political boundaries depicted on the map are not authoritative."

REFERENCES  
 DENR-12A (2018) - Final Map  
 DENR-12A (2018) - Final Map  
 DENR-12A (2018) - Final Map  
 DENR-12A (2018) - Final Map

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 DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
 BIODIVERSITY MANAGEMENT BUREAU

"We, hereby, certify that this is the correct map of the Mt. Sinaka Philippine Eagle Critical Habitat designated pursuant to RA 9147 or the Wildlife Resources Conservation and Protection Act and DENR Memorandum Circular No. 2007-02 Delineation Team of PENRO \_\_\_\_\_ DENR Region \_\_\_\_\_ has delineated this area in accordance with the standard reference on survey and mapping of the DENR."

**PREPARED BY:**

POSITION \_\_\_\_\_  
Office/Unit \_\_\_\_\_

**CHECKED & VERIFIED BY:**

POSITION \_\_\_\_\_  
Office/Unit \_\_\_\_\_

**RECOMMENDED BY:**

REGIONAL DIRECTOR  
DENR - XI

POSITION \_\_\_\_\_  
Office/Unit \_\_\_\_\_

**APPROVED BY:**

DIRECTOR  
Biodiversity Management Bureau

SECRETARY  
Department of Environment  
and Natural Resources



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## MEMORANDUM

FOR : The OIC-Assistant Director and  
Chair, BMB-TRC

THRU : OIC – Chief, BPKMD

FROM : In-Charge, Wildlife Resources Division  
Chief, Wildlife Conservation Section

SUBJECT : **TECHNICAL BULLETIN ON CRITICAL HABITAT**

We are forwarding the revised draft Technical Bulletin on “Prescribing the Templates for the Assessment Report and Map of Proposed Critical Habitat”. The revised draft TB considered all the inputs/comments raised during the meeting of the BMB Technical Review Committee last September 3, 2018.

For consideration and endorsement of the draft TB to the BMB Director for her approval and signature.

Thank you.

  
ANSON M. TAGTAG