Republic of the Philippines
Department of Environment and Natural Resources
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MEMORANDUM

FOR : **THE REGIONAL EXECUTIVE DIRECTORS**
All DENR Regional Offices

FROM : **THE DIRECTOR**
Climate Change Service

SUBJECT : **APPLICATION OF THE GREEN ASSESSMENT FRAMEWORK - RAPID APPRAISAL AND GROUND TRUTHING SURVEY**

DATE : 26 May 2023

This refers to the Green Assessment (GA), developed by USAID SIBOL, which aims to assess disaster-related damages to forest ecosystems and biodiversity. The framework consists of four stages. Stage 1 covers the conduct of rapid appraisals by identifying any changes in forest surface cover and ecosystem assets. Stage 2 employs both centralized streams of data gathering on defined damage hotspots in order to widen the coverage of data capture. Stage 3 analyzes and visualizes the information gathered from Stages 1 and 2 to enable assessment of the extent of damage and changes in land use. Finally, Stage 4 aims to, with the cooperation of key stakeholders, formulate management recommendations and plans for restoration and rehabilitation, and resilience planning.

In 2022, through USAID SIBOL, this Office facilitated the conduct of the capacity buildings/trainings with your respective representatives as attached in Annex A. For FY 2023, USAID SIBOL will continue to enhance our capacity to conduct the GA through capacity buildings/trainings. To support our upcoming activities, as listed below, this Office will be extending budgetary assistance to our regional counterparts as provided in Annex B.

Green Assessment Activities for FY 2023:

Training Cluster	Date	Venue
Aerial Ground Truth Survey - Visayas-Mindanao Cluster	July 31-August 4, 2023	TBD
Aerial Ground Truth Survey - Luzon Cluster	August 7-11, 2023	TBD
Rapid Biodiversity Assessment - Visayas-Mindanao Cluster	August 21-25, 2023	TBD

Rapid Biodiversity Assessment - Luzon Cluster	August 28-September 1, 2023	TBD

Once capacity buildings/trainings have concluded, we would like to request our regional representatives to pilot the GA, rapid appraisal and ground truth survey to their area/s of choice. Further guidance will be provided in the form of advisories. This Office will consolidate outputs and report on the activities undertaken.

Should you need further clarifications, please do not hesitate to contact our Office For. JM Reboton (jmreboton@denr.gov.ph) and Raquel Smith C. Ortega (rscortega@denr.gov.ph) of the Climate Change Mainstreaming and Integration Division, will assist you on the matter.

Thank you.

ELENIDA DEL ROSARIO BASUG

Annex A

Activities Conducted for FY 2022 on Green Assessment

Title: Aerial Ground Truth Survey Workshop **Date: July 19-29, 2022** **Venue: Dapa, Siargao, Surigao del Norte**	
Office	**Participants**
DENR Region 6	☐ Ricardo Tutor
DENR Region 7	☐ Cisello Albiso
DENR Region 8	☐ Miguelito Baja
DENR Region 10	☐ Kim Peter Galve ☐ Evelyn Bollozoz ☐ Carlos Labador
Climate Change Service	☐ Jello Ortega ☐ JM Reboton ☐ Raquel Ortega

Title: Marine Ground-Truthing Methods Workshop **Date: July 11-22, 2022** **Venue: Dapa, Siargao, Surigao del Norte**	
Office	**Participants**
DENR Region 7	☐ Luigi Miguel Caballero
DENR Region 8	☐ Peter Rani Destura
	☐ Mark Anthony De La Peña
DENR Region 10 - PENRO LDN	☐ Darren Monreal
Climate Change Service	☐ Joan France Flores ☐ Ronnel Andrew Noprada

Title: Visayas - Mindanao Cluster - Rapid Appraisal Training **Date: October 17-21 2022** **Venue: Quest Hotel and Conference Center, Lahug, Cebu City**	
Office	**Participants**
DENR Region 6	☐ Jose Marie Tumasis ☐ Efren Villanueva

	☐ Evangeline Regino
DENR Region 7	☐ Khevin Bernaldo ☐ Shahanie Abelida ☐ Ciselo Albiso ☐ Dionde Clarin
DENR Region 8	☐ Edwin Gad ☐ Romeo Abarquez ☐ Dennis Hortelano
DENR Region 9	☐ Leo Baes ☐ Cyrus Bayawa ☐ Robert Ortiz ☐ Ellaine Grace Buendia
DENR Region 10	☐ Gabriel Dipus ☐ Redelyn Flores ☐ Carlos Labador
DENR Region 11	☐ Ariel Pliego ☐ Clyde Jay Dela Peña ☐ Hyacinth Delos Santos
DENR Region 12	☐ Datu Ino M. Bagul ☐ Norhassan T. Pangcoga ☐ Jay C. Salmon
DENR Region 13	☐ Kristoffer Uy ☐ Roxan Lunasin ☐ Jayson Paloquia ☐ Reymar Ballescas
Policy and Planning Service	☐ Ma. Leanna Manubag ☐ Johan Keith Nelson Gorospe
Ecosystems Research Development Bureau	☐ Celeste Rallos ☐ Alvin Olvida ☐ Joel Orella
Climate Change Service	☐ Jello Ortega ☐ JM Reboton ☐ Raquel Ortega
BARMM - MENRE	☐ Armand Mapandi ☐ Diyanarah Baulo ☐ Abdul Mojeer Akmad

Title: Luzon Cluster - Rapid Appraisal Training **Date: November 14-18, 2022** **Venue: Clark, Pampanga**	
Office	**Participants**
DENR Region 1	☐ Ralphy Tan ☐ Jozald Kaye Ceralde ☐ Alain Dayao
DENR Region 2	☐ Arnold Battung ☐ Lorraine Cabalza
DENR Cordillera Administrative Region	☐ Jackson Guevarra ☐ Nicanor Dao-Ayen ☐ Carmela Dangsian
DENR Region 3	☐ Cedric Al Roque ☐ Sheila Cabrera ☐ Emmanuel Penson Jr. ☐ Janelyn Tumiguing
DENR National Capital Region	☐ Joanna Lois Tumadlas ☐ Jo Christelle Letrero ☐ Jonathan Lambiquit
DENR CALABARZON	☐ Paul Bryan Agustin ☐ Marvin Anghad ☐ Paul Nikko Alvarez
DENR MIMAROPA	☐ Allen Ablang ☐ Roberto Martin Pagatpatan
DENR Region 5	☐ Ma. Pia Cariño ☐ Errol Monteriola ☐ Manuel Divina
Biodiversity Management Bureau	☐ Amelia Abecina ☐ Michelle Aplan ☐ Marie Gabrielle Jacob
Mines and Geosciences Bureau	☐ Twinkle Star Estudillo ☐ Cheska Therese Arañes ☐ Patricia May Sayo
Ecosystems Research Development Bureau	☐ Alvin Roy Mota ☐ Glady Mae Vijandre ☐ Jan Marrion Cadelino

National Mapping and Resource Information Authority	☐ Amado Mipa Jr. ☐ Alex Goneo ☐ Markchiel Orgas
Forest Management Bureau	☐ Harold Buencillo
Knowledge and Information Systems Service	☐ Rose Anne Escudero ☐ Catherine Quiambao
Climate Change Service	☐ Kathleen Dominique Cornejo ☐ Jello Ortega ☐ JM Reboton

Annex B

Regional Activity in support of the Green Assessment Program

Activity	Output	Amount
	Total	**Php 165,000**
Planning Session/Meetings, Field Validation		
A. Stage 1. Rapid Appraisal a. Satellite Image download and processing b. Generation of NDVI Maps c. Image processing and classification d. Preparation and creation of reference points for each group	NDVI Maps and reference points for ground validation of the identified priority sites per region [*to be submitted to CCS]*	
B. Stage 2. Ground Validation Surveys Assess Impacts to HCVs a. Aerial Ground truth Survey I. Drone flying and data collection II. Data processing using Pix4D mapper III. Interpretation of drone orthomosaic images based on the land cover classification for Green Assessment b. Rapid Biodiversity Assessment I. Data collection II. Data organization and processing III. Data analysis and Interpretation IV. Modeling biodiversity data	 Flight plan for drones, flight log, orthomosaic images, image interpretation [*to be submitted to CCS]* Biodiversity field data	
C. Preliminary Data Analysis and Interpretation		