

## LOWER VASCULAR PLANTS

### Ferns and Fern Allies :

#### 1. Family : Polypodiaceae

- a) S. N. : *Pyrrhosia adnacens* (Sw.) Ching  
L. N. : Apatpat andodologapdi (Luzon); Humang anapatpat; Holg



- b) S. N. : *Pyrossia piloselloides* (Linn.) Price  
L. N. : Dragon's scale fern (Engl.) ; Pagong-pagongan (Tag.)



2. Family : Aspleniaceae

a) S. N. : *Asplenium nidus* Linn.

L. N. : Bird's Nest fern (Eng.); Pakpak lawin/ Pugad Lawin (Tag.)



Angiosperms:  
(Monocots and Dicots)

A. Monocots:

1. Family : Alismanthaceae

a) S.N. : *Sagittaria leucopetala* (Miq.) Gruez

L. N. : Tikog





2. Family : Orchidaceae

- a) S.N.: *Aerides cootesii*  
L . N. : Aerides



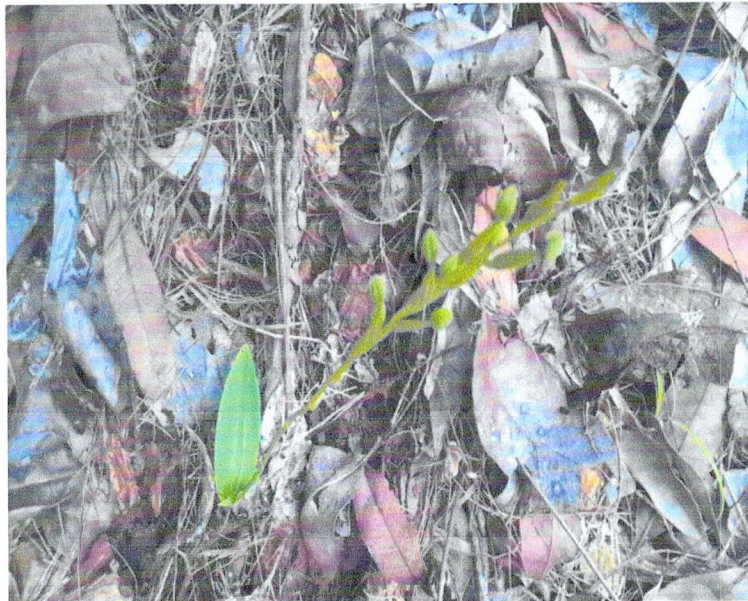
- b) S.N. : *Cirrophetallum* sp.  
L.N. : NONE



- c) S.N. : *Habenaria* sp. (1)  
L. N. : *Habenaria*



- d) S.N. : *Habenaria* sp. (2)  
L. N.: *Habenaria*





- e) S.N. : *Nervilla* sp.  
L.N. : *Nervilla*



3. Family : Pandanaceae  
a) S.N. : *Pandan* sp.  
L. N. : *Pandan*



**B. Dicots**

**1. Family : Acanthaceae**

- a) S.N. : *Hemigraphis* sp.  
L.N. : Metal leaf



**2. Family : Apocynaceae**

- a) S.N. : *Ervatamia pandacaqui* (Poir.) Pichon  
L.N. : Pandakaki (Tag.)





3. Family : Asclepiadaceae

- a) S.N. : *Dischidia purpurea*  
L.N. : Dischidia



4. Family : Euphorbiaceae

- a) S.N. : *Antidesma obliquinervum* Merr.  
L.N. : Bignay Gubat



5. Family : Gentianaceae

- a) S.N. : *Microrhium elmerianum* Regalado & Soejarto  
L. N. : NONE



6. Family : Leguminosae/Fabaceae

- a) S.N. : *Archidendron clypearia* var. *casai*  
L. N. : Ipil-ipilang gubat





7. Family : Myrtaceae

- a) S.N. : *Xantosthemon speciosus*  
L. N. : Mancono/Mangkono



8. Family : Nepenthaceae

- a) S.N. : *Nepenthes philippinensis*  
L. N. : Pitcher plant (Engl.); Kuong-kuong (Tbw.)





9. Family : Ochnaceae

- a) S.N. : *Brakenridgea palustris*  
L. N. : NONE



10. Family: Rubiaceae

- a) S.N. : *Ixora palawanensis*  
L. N. : Wild Santan





b) S.N. : *Mussaenda palawanensis*  
L.N. : Kahoy dalaga (Tag.)



11. Family : Simaroubaceae

a) S.N. : *Eurycoma longifolia* Jack.  
L. N. : Tonkat ali





## ANNEX B. PHOTO-DOCUMENTATION AT ALL SAMPLING SITES

Sampling site 1A: Ibelnan





Sampling Site1A: Ibelnan



Sampling Site 2 Kinurong (Natural Forest)





Nagoya Beach (Observation Site)



TSF 1 Rehabilitation Area





# Sampling Site 4 Magas-Magas (Natural Forest)





Sampling Site 5 Mt. Bulanjao





Sampling site 8 TSF 3





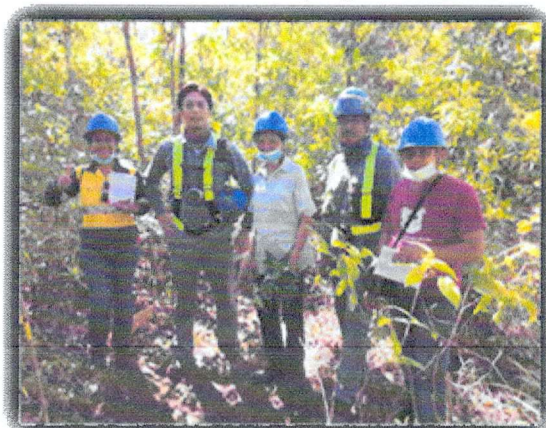
**ANNEX C. PHOTO-DOCUMENTATION DURING FLORA ASSESSMENT MEETING AND FIELD ACTIVITIES**



Flora Assessment Team Kick off Meeting



Establishment of new sampling site at TSF 3







GPS reading at sampling plots



Species identification



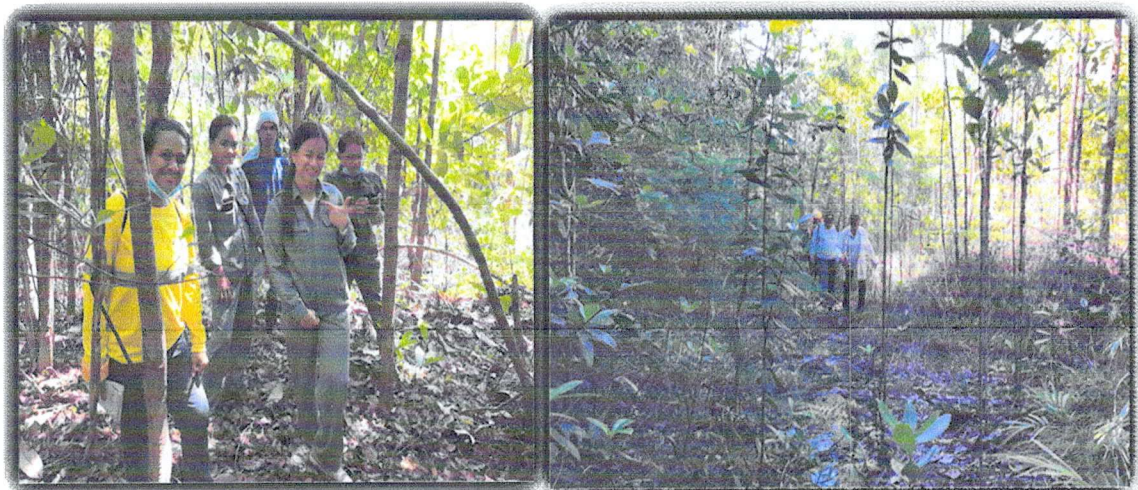




Data Gathering at sampling plots



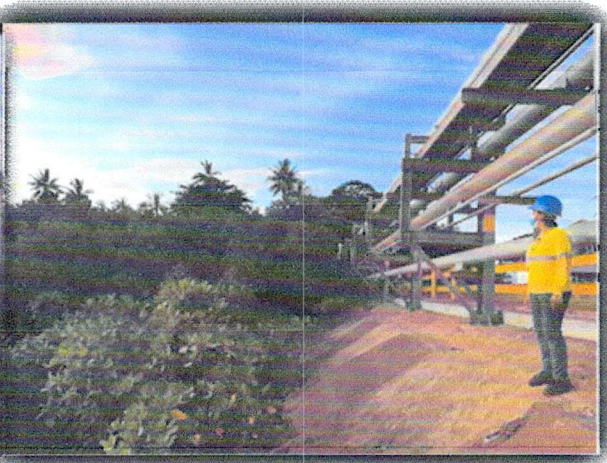
Field work at TSF 1







During field work to different sampling sites





## ANNEX D. FLORA AND FAUNA ASSESSMENT TEAM PERSONAL PROFILE

Name : **Ramon M. Docto**  
Agency/Company : Palawan State University,  
Present Position : Professor VI/SUC President III  
Birth Date : July 28, 1960  
Birth Place : Cauayan, Negros Occidental  
Address : 25-P2 Baltan Street, Puerto Princesa  
Contact number : 09178495330 / 09285053949  
Email address : [mondocto@yahoo.com](mailto:mondocto@yahoo.com)



### EDUCATIONAL BACKGROUND

#### **PhD – Environmental Science, 2003**

University of the Philippines – Los Baños

Member: Honour Society for Applied Sciences  
Fellow : R.E. Train Education for Nature  
Program of the World Wildlife Fund (WWF-USA)

#### **MA – Educational Administration, 1994**

Palawan State University  
Puerto Princesa City

#### **BS General Science, 1981**

Southwestern University  
Cebu City

Area of Concentration: Biology / Chemistry

#### **Secondary, 1977**

Lapinigan National High School  
San Francisco, Agusan del Sur

High School (Valedictorian)

#### **Secondary, 1973**

Lapinigan National High School  
San Francisco, Agusan del Sur

Elementary (Valedictorian)



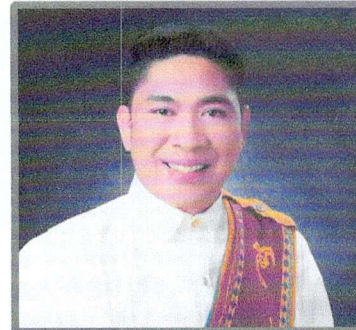
### MAJOR EMPLOYMENT

<u>Date</u>	<u>Employer</u>	<u>Position and Responsibility</u>
Jul 6, 2018 to date	<b>Palawan State University,</b> Puerto Princesa City, Philippines	<b>State University President III</b>
May 2017-Jul 5, 2018	<b>Palawan State University,</b> Puerto Princesa City, Philippines	<b>Vice President for External Campuses Operations Professor VI</b>
Jan. 2012 -Apr 2017	<b>Palawan State University,</b>	<b>ETEEAP Director /Professor VI</b>
Jan 2005 - Dec. 2011	<b>Palawan State University,</b>	<b>University Research Director /Professor IV</b>
June 2003 - Jan 2005	<b>Palawan State University,</b>	<b>University Extension Services Director Associate Professor IV</b>
Jun 1994 - May 1998	<b>Palawan State University –</b> Quezon, Palawan	<b>Campus Director- Quezon Campus,</b>
Jun 1987 - May 1994	<b>Palawan State University –</b> Puerto Princesa City	<b>Assistant Professor</b> <ul style="list-style-type: none"> <li>▪ Teaches Biological and Physical Sciences subjects</li> <li>▪ Subject Tutor for Physics – UP Open University</li> </ul>
Jun 1986 - May 1987	<b>Palawan State College</b>	<b>High School Principal- Aborlan Campus,</b>
Jun 1982 - May 1986	<b>Palawan State College</b> Puerto Princesa City	<b>Instructor</b>



**RODOLFO O. ABALUS, JR.**  
**PhD in Forestry**  
***Registered Forester***

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**PERSONAL DATA**

Nickname	:	Jun
Date of Birth	:	August 25, 1972
Place of Birth	:	Solano, Nueva Vizcaya, Philippines
Present Address	:	No. 42 Abad Santos St., Puerto Princesa City
Contact No. (Mobile Phone)	:	09171622572
E-mail Address	:	<a href="mailto:rodolfo_abalus@yahoo.com">rodolfo_abalus@yahoo.com</a> <a href="mailto:rabalus@psu.palawan.edu.ph">rabalus@psu.palawan.edu.ph</a>

**EDUCATIONAL BACKGROUND**

**PhD – Forestry, 2017**  
University of the  
Philippines, Los Baños

*Major:* Forest Resource Management  
*Specialization:* Watershed Management  
*Minor:* Environmental Science  
*Member:* Phi Sigma Biological Sciences  
Honor Society, University of the Philippines Chapter

**MS Forestry, 2013**  
University of the  
Philippines, Los Baños

*Major:* Forest Resource Management  
*Specialization:* Watershed Management  
*Minor:* Natural Resources Conservation;  
Silviculture and Forest  
*Member:* Gamma Sigma Delta Honor Society of  
Agriculture  
University of the Philippines Chapter

**BS Forestry, 1995**  
Forest  
Nueva Viscaya State  
Wood  
University

*Major:* General Forestry -Forest Resource Management,  
Resources Management, Forest Biological Sciences,  
Science and Technology

**Secondary, 1989**  
New Dalton High School  
Solano, Nueva Vizcaya

High School Graduate



**Primary, 1985**

Elementary Graduate

Aggub Elementary School  
Aggub, Solano, Nueva Vizcaya

**MAJOR EMPLOYMENT**

<b>Date</b>	<b>Employer</b>	<b>Position and Responsibility</b>
May 1, 2021 to date	Palawan State University, Puerto Princesa City, Philippines	Director, University Extension Services Office/Instructor III
January 1, 2019 to April 2021	Palawan State University, Puerto Princesa City, Philippines	Director, Income Generating Projects Office/Instructor III
July 2017 to December 2018	Palawan State University, Puerto Princesa City, Philippines	Research Coordinator, College of Sciences/Instructor III
June 2010 to June 2018	Palawan State University, Puerto Princesa City, Philippines	Instructor III
June 1, 2005 to May 2010	Palawan State University, Puerto Princesa City, Philippines	Manager, PSU-SIFMA Project/Instructor III
February 15, 1998 to May 31, 2005	Western Philippines University Aborlan, Palawan	Instructor II
August 6, 1996 to February 14, 1998	State Polytechnic College of Palawan (SPCP) Aborlan, Palawan	Instructor I



## **EMI MARJORIE N. GABINETE**

*Master of Science in Environmental Management*

*Licensed Environment Planner*

*DOLE Accredited Safety Practitioner*

*No. 1033-170926-E0016*

*Contact no. +63 920 546 7352/+63 965 923 8613*

*Email address: [emngabinete@gmail.com](mailto:emngabinete@gmail.com)*



### **PROFESSIONAL EXPERIENCE**

#### **PETROSPHERE INC. – TRAINING, CONSULTANCY AND REVIEW CENTER**

**OSH Lead Trainer**

February 2017 – Present

#### **BERONG NICKEL CORPORATION**

**Research Team Member** – Palawan State University Research Team

December 2018 – April 2019

#### **BANTAY KITA AND HIVOS**

**Project Team Lead for Open Mining Governance** – Palawan State University Team

September 2018 – December 2018

#### **SEMIRARA MINING AND POWER CORPORATION**

**Safety, Health and Environmental Consultant**

March 2016 to January 2017

Project: Risk Management Plan and updating of the Awareness and Preparedness for Emergency at Local Level (APELL) – December 7, 2016 – January 15, 2017

Project: Final Mine Rehabilitation and Closure Plan for Panian Pit – August 2016

Project: Hazard Operability Study for Power Plant Operations – March – April 2016

Preparation of Awareness and Preparedness for Emergency at Local Level (APELL)

#### **ORICA PHILIPPINES INC.**

**Sustainability (Safety, Health, Environment and Community) Advisor**

Permanent – April 2010 – June 2015

#### **PHILIPPINE NATIONAL OIL COMPANY – Alternative Fuels Corporation (PNOC**

**AFC) formerly PNOC Petrochemical Development Corporation**

**Environmental Planning and Pollution Control Officer**



**Acting Community Relations Officer – Facilities Management**  
Department Permanent - Jan 2005 – April 2010

**PHILIPPINE NATIONAL OIL COMPANY – EXPLORATION CORPORATION (PNOC EC)**  
**Safety, Health and Environment Assistant – Project Operations**  
Dept. Project based  
May 2003 – Oct 2004

**Safety, Health and Environment Assistant (SHEA) – Office of the Vice- President**

**Batangas State University**  
**Instructor I**  
June 2002 – March 2003

## **EDUCATION**

Post Graduate **Master of Science in Environmental Management**  
Palawan State University, Palawan, Philippines  
Consistent Dean's Merit Award

Undergraduate **Bachelor of Science in Petroleum Engineering (1996-2001)**  
Palawan State University, Palawan, Philippines  
Leadership Awardee/Loyalty Awardee/Outstanding Red Cross Youth

## **ELIGIBILITY/LICENSES/EXAMINATIONS PASSED**

**Certificate on Conduct Safety and Health Investigation Cert. no. SWS5816-A**  
**Safety Practitioner – 1033-170926-E0016**  
**Accredited Pollution Control Officer – 14K-03BA-257**  
**Career Service for Professional (80.54%) – Banawe, Quezon City – June 28, 2001**  
**Career Service for Sub-Professional (91.55%) - Narra, Palawan – November 8, 1998**

## **ORGANIZATION AFFILIATION**

**Philippine Institute of Environmental Planners (PIEP) – National and Palawan Chapter**  
**Philippine Red Cross Palawan Chapter – Board of Director/ Board Secretary**  
**Occupational Safety and Health Network (OSHNET) – (NCR) Member, (Palawan) Secretary**  
**Philippine Coast Guard Auxiliary 402<sup>nd</sup> Squadron – (Rank: Lieutenant Commander)**  
**Palawan State University Graduate Students Organization (former President)**  
**Brotherhood of Christian Businessmen and Professionals (BCLP 27) - member**  
**Association of Overseas Technical Scholars (AOTS) – Member/Former Scholar**  
**Philippine Cultural and Technical Association of Returned Overseas Scholars (PHILCULTAROS) - member**



## **ELIZABETH P. GIRONELLA**

Kaakbayan, Brgy. Tiniguiban  
Puerto Princesa City, Palawan



### **Areas of Specialization**

Botanist/Plant Taxonomist,  
Plant Identification  
Herbarium Specialist and Curator.

### **Education**

#### **Master of Arts in Teaching Chemistry**

46 units earned (except thesis writing), Palawan State University  
Puerto Princesa City, Philippines

#### **Diploma in Teaching Biology 1995**

32 units earned, University of the Philippines Open University (UPOU),  
Los Banos Laguna, Philippines

#### **Bachelor of Science in Botany, 1972**

Far Eastern University (FEU),  
Manila, Philippines

#### **Short-Term Scholar, 1997**

Research Training Program on the **Principles of Plant Taxonomy and Herbarium Management** at the Program Pharmaceutical Sciences (PCRCPS), Department of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, University of Illinois at Chicago (UIC) and at the Department of Botany, Natural History Field Museum, Chicago, Illinois, U.S.A.  
September-December 1997

### **Work Experiences:**

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#### **Part-Time Bio/Science Faculty and Herbarium Curator**

Palawan State University, Puerto Princesa City.  
January 1, 2017 to date.

#### **Retired Assistant Professor II**

Palawan State University, Puerto Princesa City, Philippines  
October 19, 2014.

#### **Assistant Professor II**

Palawan State University, Puerto Princesa City, Philippines  
January 1, 2004 - to October 19, 2014.



**Officer – In – Charge**

Biodiversity Center for Research and Conservation (BCRC) Office,  
Palawan State University Puerto Princesa City, Philippines  
2007

**Assistant Professor I**

Palawan State University, Puerto Princesa City, Philippines  
December 31, 2003 – to January 1, 2004.

**Instructor III**

Palawan State University, Puerto Princesa City, Philippines  
April 1, 1999 – December 31, 2003.

**Faculty member designated as Botanist for Research Project**

"Botanical Inventory and a Geographic Information System (GIS) as Basis for Management and Sustainable Development of Palawan (Philippines Forest Resources "MacArthur Foundation and Palawan State University, Puerto Princesa City, April 1, 1997 to March 31, 1999.

**Instructor II**

Palawan State University, Puerto Princesa City, Philippines  
Jan. 1993 – March 31, 1999

**Instructor I**

Palawan State University, Puerto Princesa City, Philippines  
Sept. 1989 – Dec. 1992

**Science Research Assistant I**

Palawan State University, Puerto Princesa City, Philippines  
July 1981 – Aug. 1989.

**Science Technician I**

Palawan State University Puerto Princesa City, Philippines  
Jan. 1997 – June 1981

**Faculty member**

Palawan State University, Puerto Princesa City, Philippines.  
August 1989 - October 19, 2014

**Science Technician**

Palawan State University, Puerto Princesa City, Philippines  
January 1979 to June 1981



**EPHRAIM ABE OCOP**

Puerto Princesa City 5300 Palawan

Contact No. 09095964040;

Email-Address: [ephraim\\_taurus69@yahoo.com](mailto:ephraim_taurus69@yahoo.com)**Professional Qualification**

Registered Forester

Board Rating of 76.70%

Professional Regulation Commission (PRC)

**Academic Training****Master of Science in Rural Development (SY 2008-2009)**

Have earned 18 units under the MSRD course taken from Western Philippines University (WPU) - Puerto Princesa campus

**Bachelor of Science in Forestry (SY 1997-2000)**

Western Philippines University (main campus) in Aborlan, Palawan

**Certificate in Forest Ranger (SY 1988-1991)**

Palawan National Agricultural College (PNAC) now Western Philippines University-main campus in Aborlan, Palawan

**Employment Record**

Position	:	<b>FORESTER II</b>
Inclusive Dates of Employment	:	January 10, 2019 - Present
Office Assignment	:	CENRO-Puerto Princesa City
Employer	:	DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OFFICE (MIMAROPA REGION)

Position	:	<b>FORESTER II</b>
Inclusive Dates of Employment	:	January 11, 2016 - January 10, 2019
Office Assignment	:	CENRO-Quezon
Employer	:	DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES OFFICE (MIMAROPA REGION)

Position	:	<b>Community Development Assistant - I</b>
Inclusive Dates of Employment	:	December 16, 2005 - January 10, 2016
Office Assignment	:	PG-ENRO
Employer	:	Provincial Government of Palawan



Position : **Forester/Crew Leader**  
 Inclusive Dates of Employment : April 27, 2003 - November 30, 2003  
 Employer : DARUMA Technologies Inc.  
 Project Implemented : Sustainable Environment & Management  
 Project - ECAN Zoning Component  
 (a JBIC funded project for Northern Palawan under  
 the auspices of the PCSDS and the Department of  
 Tourism (DOT)

Position : **Clerk (Casual)**  
 Inclusive Dates of Employment : September 7, 2000—September 7, 2001  
 Office Assignment : Office of the Resident Auditor  
 Employer : DepEd-Palawan National School-main  
 campus

Position : **Tree Plantation Surveyor**  
 Inclusive Dates of Employment : April 5, 1991– June 4, 1999  
 Field Assignment : Northern Palawan  
 Employer : Palawan Tropical Forestry Protection  
 Programme

Position : **Farm Foreman**  
 Inclusive Dates of Employment : March 28, 1995 - April 5, 1997  
 Area of Assignment : Rural Agricultural Center (RAC)  
 - Busuanga, Palawan  
 Employer : Provincial Government of Palawan  
 Project Implemented : Second Palawan Integrated Area Development  
 Project (SPIADP) — DA Component

Position : **Forest Ranger**  
 Inclusive Dates of Employment : April 5, 1991 - April 5, 1993  
 Office Assignment : CENRO Quezon and CENRO Narra, Palawan  
 Employer : Department of Environment & Natural  
 Resources Office (DENR)