

BENEFITS AND IMPACTS OF PROJECT S.A.V.E.D.



“Clean up the World, Clean Up Surigao”

September 18, 2009

Implementing Organizations: *Clean Environment Advocates League (CEAL)*

Philippine Society of Science Club (RSHS Super Planetears)

Sponsor: *Provincial Government of Surigao del Norte*



Clean Environment Advocates League

Caraga Regional Science High School
Brgy. San Juan, Surigao City

CEAL

Clean Environment Advocates League



Rehabilitation Continues Copper Uptake and Survival
of Leguminous Plants in Suyoc Mine Waste Dumpsite
of Manila Mining Corporation,
Placer, Surigao del Norte, Philippines

THE CLEAN ENVIRONMENT ADVOCATES LEAGUE IN ACTION (established 2006)

Tree-Bute Phase 1

Date: June 16, 2010

PROGRAM OF ACTIVITIES

RIL 22, 2009

5 FAIR DEPARTMENT OF LABOR AND EMPLOYMENT (DOLE)
CHAMBER OF MINES CARAGA REGION, INC. (CMCRI)

RIL 23, 2009

A.M. ASSEMBLY BOULEVARD (BACK OF HOTEL TAVERN)
A.M. MOTORCADE CMCRI, CREDO, MGB 13
- 10:00 A.M. RIBBON CUTTING CEREMONY - BOOTHS & EXHIBITS
PRAYER - MR. DONALD B. ALOY
RATIONALE OF THE ACTIVITY - ATTY. RISE FAITH R. RECABO
RIBBON CUTTING
HON. ROBERT ACE S. BARBERS, GOV., SURIGAO DEL NORTE
HON. ALFONSO S. CASURRA, MAYOR, SURIGAO CITY
3 A.M. ARRIVAL OF GUESTS/PARTICIPANTS AND PRE-REGISTRATION
- 5:00 P.M. MINING SECURITY MEETING WITH MINING COMPANIES
MGB 13 TRAINING CENTER, SURIGAO CITY
P.M. COCKTAILS AND FELLOWSHIP

RIL 24, 2009

3-09:00 A.M. ARRIVAL AND REGISTRATION
3-09:05 A.M. DOXOLOGY - CHORAL STRAINS
PHILIPPINE NATIONAL ANTHEM - CHORAL STRAINS
5-09:10 A.M. OVERVIEW OF THE SUMMIT AND CALL TO ORDER
MR. DULMAR M. RAAGAS, PRESIDENT, CMCRI
3-09:20 A.M. WELCOME REMARKS
HON. ALFONSO S. CASURRA, MAYOR, CITY OF SURIGAO
3-09:25 A.M. INTRODUCTION OF KEYNOTE SPEAKER
MR. NILO DEMEREY, VICE PRESIDENT, CMCRI
5-09:35 A.M. KEYNOTE ADDRESS
MR. ARTEMIO F. DISINI
CHAIRMAN, PHILIPPINE CHAMBER OF MINES
5-09:40 A.M. PRESENTATION OF PLAQUE TO THE KEYNOTE SPEAKER
3-09:45 A.M. SAJAW NAN CARAGA - TALENTONG BACUAGANON, INC.

NARY 1: LOCAL REVENUE, TAXATION AND LICENSES

5-10:00 A.M. HON. ROBERT ACE S. BARBERS
GOVERNOR, SURIGAO DEL NORTE
3-10:15 A.M. ATTY. RENE K. BURDEOS
REGIONAL DIRECTOR, DILG CARAGA
5-10:30 A.M. ENGR. ALILO C. ENSOMO, JR.
OIC, REGIONAL DIRECTOR, DENR-MGB 13
3-10:50 A.M. OPEN FORUM

NARY 2: BEST MINING PRACTICES

3-11:05 A.M. ✓ ENVIRONMENT
MS. DEBRA RUTH R. EDRADAN
CARAGA REGIONAL SCIENCE HIGH SCHOOL

11:05 - 11:20 A.M. LEGACY OF OVER A CENTURY'S COMMITMENT TO COMMUNITY
MR. LEOPOLDO S. SISON III
BENGUET MINING CORP.

11:20 - 11:35 A.M. CORPORATE SOCIAL RESPONSIBILITY
MS. CECILLE AMIHAN - BAYAS
PHILEX MINING CORP.

11:35 - 11:50 A.M. INDIGENOUS PEOPLES EXPERIENCE
MS. RAQUEL LAO
BERONG ARAMAYWAN TAGBANWA ASSOCIATION
BERONG NICKEL CORP. - IP EXPERIENCE

11:50 - 12:20 P.M. OPEN FORUM
12:20 - 12:50 P.M. LUNCH BREAK

12:50 - 1:05 P.M. UPDATE ON DOLE INTERVENTION: PLANS AND PROGRAMS
ON DISPLACED WORKERS OF MINING INDUSTRY
HON. MARIANITO D. ROQUE, SECRETARY, DOLE

1:05 - 1:15 P.M. MESSAGE
HER EXCELLENCY KRISTIE A. KENNEY
AMBASSADOR EXTRAORDINARY AND PLENIPOTENTIARY
US EMBASSY, MANILA

PLENARY 3: FUTURE DIRECTIONS OF THE MINING INDUSTRY

1:15 - 1:30 P.M. MINING INDUSTRY SITUATIONER
HON. HORACIO C. RAMOS, DIRECTOR, DENR-MGB

1:30 - 45 P.M. PROGRAM DIRECTIONS OF NCIP
COMMISSIONER FELICITO MASAGNAY, NCIP
1:45 - 2:00 P.M. MR. GERARD H. BRIMO
PRESIDENT & CEO, NICKEL ASIA CORP.

2:00 - 2:15 P.M. CARAGA: FOCUS REGION OF PHILIPPINE-GERMAN DEV'T.
COOPERATION
HER EXCELLENCY DELIA DOMINGO - ALBERT
AMBASSADOR EXTRAORDINARY AND PLENIPOTENTIARY
PHILIPPINE AMBASSADOR TO THE FEDERAL REP. OF GERMANY

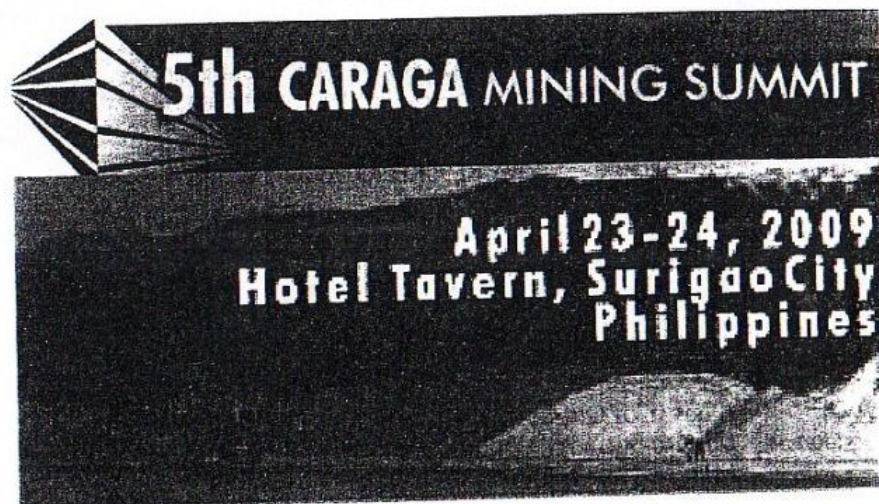
2:15 - 2:30 P.M. PROSPECTS OF PHILIPPINE MINING IN CHINA
HIS EXCELLENCY CHEN DEMING
TRADE MINISTER, PEOPLE'S REPUBLIC OF CHINA
2:30 - 3:00 P.M. OPEN FORUM

CLOSING CEREMONIES

3:00 - 3:10 P.M. PRESENTATION OF RESOLUTIONS TO THE DENR, DILG, NCIP
MR. DULMAR M. RAAGAS, PRESIDENT, CMCRI
3:10 - 3:20 P.M. MESSAGE
HON. JOSE L. ATIENZA, JR., SECRETARY, DENR
3:20 - 3:35 P.M. PRESENTATION OF PLAQUE AND CERTIFICATES
3:35 - 3:45 P.M. DISTRIBUTION OF IPs SHARE
3:45 - 4:00 P.M. ACKNOWLEDGMENT

Moderators:
Jocelyn H. Maceren
Rodrigo T. Matabaran

Masters of Ceremony:
Jvonnie B. Dumadag
Alberto S. Pantejo



Theme :
Adopting Best
Mining Practices
through Strategic
Partnership for
Sustainable and
Self-Reliant
Mining
Communities



Chamber of Mines
Caraga, Inc.



Community Relations Education and
Development Organizers Organization



Department of Environment and Natural Resources
Mines and Geosciences Bureau
Regional Office No. 13, Surigao City



Republic of the Philippines
Department of the Interior and Local Government
Province of Surigao del Norte
BARANGAY SAN JUAN
Surigao City
oOo

Office of the Sangguniang Barangay

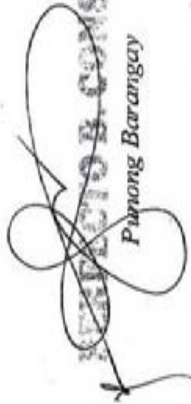
Certificate of Appreciation

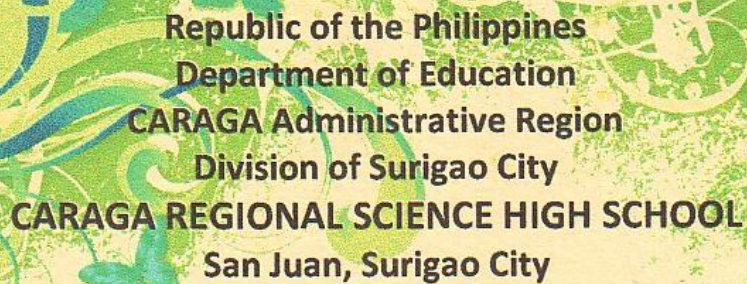
Is awarded to

Maria Ruth R. Edradan

*For your unwavering support to Barangay San Juan, Surigao City,
during the Clean-Up Drive on January 9, 2010 along the shoreline of this
Barangay.*

Given this 4th day of April 2010 at Barangay San Juan, Surigao City.


RAMON B. COMISO
Punong Barangay



Republic of the Philippines
Department of Education
CARAGA Administrative Region
Division of Surigao City
CARAGA REGIONAL SCIENCE HIGH SCHOOL
San Juan, Surigao City

Youth for Environment School Camp

Theme : "Sagip Kalikasan, Sagip Buhay"

November 25, 2011

Surigao City Gymnasium



You are cordially invited!

Invocation **Zayra Blanche C. Correos**
CEAL Treasurer

National Anthem **Ynah Ysabella A. Baje**
CEAL Peace Officer

Welcome Address/ **Marny Mae A. Murillo**
Opening Remarks CEAL President

Message **Mrs. Matilde J. Manliguis**
Principal IV

Overview of the Seminar **Mrs. Maria Ruth R. Edradan**
CEAL Adviser

Seminar/ Lecture

National Greening **Mr. Emelito R. Mausisa**
Program Forester, CENRO-DENR

Natural Farming **Ms. Genara P. Ensomo**
Technology System **Ms. Gilda L. Panal**
Ms. Shirley T. Paular
City Agriculture Office

Presentation **CRSHS Dance Troupe**

Seminar/ Lecture

Mangroves and their **Ms. Eudeive U. Cubao**
Importance to the Ecosystem Head, Coastal and
Forestry Section
City ENRO

Solid Waste **Engr. Elmer C. Tecson**
Management City ENRO Officer

Closing Remarks **Farhana Faisal**
CEAL Vice-Pres.

Masters of Ceremonies: **Clyde Aguillon**
Hyra Leigh Bernadez

The CRSHS

INFORMER

The Official Student Publication of CARAGA Regional Science High School

Vol. X No. 1

San Juan, Surigao City, Caraga Region, Philippines

June 2008 - March 2009

Researchers to set foot Philadelphia

Caraga Regional Science High School researchers together with Mrs. Matilde J. Manliguis, school principal, and Mrs. Maria Ruth R. Edradan, research adviser, will participate in the American Society of Microbiologists (ASM) 109th International Convention in Philadelphia Convention Center, Philadelphia, Pennsylvania, USA, on May 17-21, 2009.

Having a study which focuses on the concern for environment and somehow minimizes the global warming, senior student Debra Ruth R. Edradan is invited to showcase her study for poster presentation in the international convention. The study entitled "Phase 2 of the Rehabilitation of Mine Waste Dumpsite Area of Manila Mining Corporation, Placer, Surigao del Norte" aims to rehabilitate

and restore biodiversity after mining activities have been carried out.

On the other hand, the study entitled "Antibacterial, toxicological and Phytochemical Screening of Methanolic Extracts of Kalingag (*Cinnamomum mercadoi* Vidal), Talisay (*Terminalia catappa*) and Sampa-sampalukan (*Phyllanthus niruri*)" will also be presented to the said convention by the team composed of Nino Paolo T. Ongluico (team leader), Rhea Mii A. Cruzado and Gail Ruth R. Edradan.

It can be recalled that the same study had already undergone the screening having identified as one of the two nationwide qualifiers in the high school level to the 13th Annual Convention of the Natural Products Society of the Philippines (NPSP) on Dec. 3, 2008 at the National Institute of Science and Mathematics Education



Debra Ruth R. Edradan conducts a laboratory experiment in school.

Development (NISMED) at the University of the Philippines (UP), Diliman, Quezon City, wherein it was showcased for poster and oral presentations.

It was proven by the proponents that the Kalingag (*Cinnamomum mercadoi* Vidal) and Talisay (*Terminalia catappa*) which are traditionally used as herbal medicine by native Surigeños are effective anti-bacterial treatments which are comparable to Kanamycin at 100 ppm.

The project progressed to the international convention due to its promising result that Kalingag and Talisay were found effective in the growth inhibition of both gram positive and gram negative bacteria. Thus, as the project's findings disclose, they can be further explored to produce novel compounds for the treatment of infectious diseases.
(by Debra Ruth R. Edradan)



A team of CRSHS researchers: (standing from left to right) Nino Paolo T. Ongluico, Rhea Mii A. Cruzado, and Gail Ruth R. Edradan poses with their research adviser, Mrs. Maria Ruth R. Edradan and Regional Science Supervisor, Dr. Erlinda Atienza.



Launching of *Gulayan sa Paaralan* as part of the National Greening Program

Date: September 2, 2011

Implementing Organization: *Clean Environment Advocates League (CEAL)*

Cooperating Agencies: Department of Agriculture, LGU-Surigao City through the City Environment and Natural Resources Office (ENRO), DENR-Community Environment and Natural Resources Office (CENRO), LGU-Barangay San Juan, and CRSHS Parents' Teachers Association



Republic of the Philippines
Department of Environment and Natural Resources

Office of the

COMMUNITY ENVIRONMENT AND NATURAL RESOURCES

Regional Office - Surigao City, Philippines
P.O. Box 1000, Surigao City, 9500

Award this

CERTIFICATE OF PARTICIPATION

to

**CARAGA REGIONAL
SCIENCE HIGH SCHOOL**

for having actively participated in the Tree Planting Activity at the identified site of DENR-CENRO Surigao City in support to National Greening Program per Executive Order # 26, Series 2011.

Conducted at Sitio Lumban, Surigao City on September 30, 2011


GODOFREDO C. LOGRONO
NGP COORDINATOR


ENGR. ELVIN P. INDIG
Acting CENR Officer



MANILA MINING CORPORATION

Placer, Surigao del Norte, Philippines

This

CERTIFICATE OF COMMENDATION

is awarded to

CARAGA REGIONAL SCIENCE HIGH SCHOOL

San Juan, Surigao City

for the exemplary research conducted in partnership with the company entitled Bioavailability and Accumulation of Heavy Metals in Edible Plants Surrounding Manila Mining Corporation whose research finding has provided information to the people living in the vicinity of the company of a possible heavy metal translocation from the soil to the edible plant parts that makes them unsafe for consumption.

Given this 18th day of November, 2011 at Placer, Surigao del Norte, Philippines.

ISAGANI C. SULAPAS

Finance/Administration Consultant



AMERICAN
SOCIETY FOR
MICROBIOLOGY



109th

General Meeting

Philadelphia

May 17-21, 2009

CERTIFICATE OF APPRECIATION

Is given to

DEBRA RUTH R. EDRADAN

In grateful recognition of her presentation of the research project (Q-207/678 Field: Biotransformation of Metals and Bioremediation of Metal-Contaminated Environments)

Title: ASSESSMENT OF MYCORRHIZAL DIVERSITY AND THEIR GROWTH EFFECTS ON NARRA, FALCATA, MANGIUM, *Acacia auriculiformis*, AND WHITE LAUAN IN THE REHABILITATION OF SUYOC WASTE DUMPSITE IN MANILA MINING CORPORATION, PLACER, SURIGAO DEL NORTE, PHILIPPINES

during the 109th Annual Convention of the American Society of Microbiology on May 17-21, 2009
in Philadelphia, Pennsylvania, United States of America.

Alison O'Brien

ALISON D. O'BRIEN, PhD.

President



Republic of the Philippines
ENVIRONMENTAL MANAGEMENT BUREAU

CARAGA Region 13
3RD Flr. Gorme Bldg., Langihan Road, Butuan City

Certificate of Appreciation

is awarded to

MARIA RUTH R. EDRADAN

for his/her active participation and involvement as **COACH** during the
"Enviro Quiz Bowl 2007" sponsored by EMB Caraga in celebration of the
International Ozone Day with the theme
"Celebrating 20 years of Progress in 2007" held on September 14, 2007
at the DENR Training Center, Ambago, Butuan City

Given this 14th day of September 2007 at the DENR Training Center, Ambago,
Butuan City.

ESTER A. OLAVIDES

OIC, Regional Director



Province of Surigao del Norte
through the
PROVINCIAL ENVIRONMENT MANAGEMENT OFFICE
CERTIFICATE OF PARTICIPATION

This certificate is awarded to

Maria Ruth R. Edradan

for participating the TREE PLANTING ACTIVITY held at Brgy. Mapawa, Surigao City

Given this 30th day of November 2011, Surigao City, Philippines

IVONNE B. DUMADAG
OIC-PEMO


SOL J. MATUGAS
Provincial Governor



Republic of the Philippines
CITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
City Hall Compound, Surigao City

Award this

Certificate of Participation

To

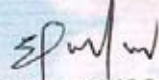
Maria Ruth R. Edradan

For having actively participated in the Mangrove Planting Activity on
December 4, 2011 at Day-asan, Surigao City spearheaded by Surigao City
ENRO, CRSHS PTA, and CRSHS Clean Environment Advocates League.

Given this 9th day of January 2012 at City ENRO, Surigao City.


EUDELO U. CUBAO
Coastal & Forest Management
Sec. Head


ERNESTO T. MATUGAS
City Mayor


ELMER C. TECSON
CGDH - I City ENRO



Republic of the Philippines
Department of Environment and Natural Resources

Office of the
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES

Brgy. San Juan, Surigao City, Philippines
Tel. No. (086) 826-1808

Award this


CERTIFICATE OF PARTICIPATION


to

Caraga Regional Science HS

for having actively participated in the Tree Planting Activity at the identified site of DENR-CENRO Surigao City in support to National Greening Program per Executive Order # 26, Series 2011.

Conducted at Sitio Lumaban, Surigao City on September 30, 2011


GODOFREDO C. LOGROÑO
NGP COORDINATOR


ENGR. ELVIN P. INDIG
Acting CENRO Officer



Republic of the Philippines
Department of Education
CARAGA Administrative Region
Division of Surigao City
CARAGA REGIONAL SCIENCE HIGH SCHOOL
San Juan, Surigao City



Certificate of Participation

is given to

Maria Ruth R. Edradan

for actively participating in the **Seminar on Enviro-Awareness to the Nth Level**
this November 25, 2011 at the Surigao City Gymnasium, Surigao City.

Given this 25th day of November 2011 at Surigao City Gymnasium,
Surigao City, Philippines.


MATILDE J. MANLIGUIS
Principal- IV

