



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
NATIONAL IRRIGATION ADMINISTRATION
CARAGA, REGIONAL OFFICE

2709475

January 12, 2024

FOR : ENGR. JOSEPHINE B. SALAZAR
Office of the Deputy Administrator
For Engineering & Operations Sector
NIA EDSA, Diliman, Quezon City

FROM : THE REGIONAL MANAGER
NIA-Caraga
Bancasi, Butuan City

**SUBJECT : YEAR-END REPORT UNDER THE REHABILITATION
& PROTECTION OF WATER RESOURCES SUPPORTING
IRRIGATION SYSTEMS (R&P WRSIS) PROGRAM**

Respectfully submitted the Year-End Report of the activities under the Program, Rehabilitation & Protection of Water Resources Supporting Irrigation Systems (R&P WRSIS).

For your file and ready reference.


RUBY C. TUAN, JR.

RBC
JC
JBR

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REGION 13

CY 2023 YEAR-END REPORT

Rehabilitation and Protection of Water Resources Supporting Irrigation System (R&P WRSIS)

EXECUTIVE SUMMARY

Recognizing the significance of watersheds in sustaining irrigation water, the National Irrigation Administration (NIA) and Department of Environment and Natural Resources (DENR) has signed a memorandum dated August 5, 2019 to support development, protection and effective management of watershed supporting irrigation systems. Through this the NIA had implemented the Rehabilitation and Protection of Water Resources Supporting Irrigation System (R&P WRSIS) Program this will further enhance its protection and rehabilitation of the country's water resources for irrigation purposes which are critical in the attainment of food security and sustainable farming. Under this program a 5-Year Watershed Management Plan was formulated and subsequently implemented.

The plan aims to protect, rehabilitate portion of the watershed areas, irrigation catchments and its tributaries supplying water to irrigation systems. The plan also envisages to assess the catchments "health" in terms of land cover, land use, cropping patterns, soil erosion, conservation practices and related concerns to come up with appropriate practices and corresponding strategies, work targets and cost.

For CY 2023, NIA Caraga Region has a total budget allocation of PhP 14,500,000 for R&P WRSIS (CCAW-Watershed) with corresponding 57.6% utilization or PhP 8,358,154.59 based on obligation as of December 31, 2023. Among the significant accomplishment of R&P WRSIS Implementation within the region for CY 2023 were the following:

- (1) Completion of four Watershed Management Plan (WMP) for the four National Irrigation Systems (NIS);
- (2) Planting of 80.35 hectares of fruit bearing trees within the NIA area of management with at least 16,000 of seedling of various species and 104 beneficiaries;
- (3) Maintained a total of 221.45 hectares of previously established plantation from Initial and Year-1 implementation including NIA annual tree planting sites from CY 2021-2023. Maintenance activities includes geotagging, ring weeding, and replanting;
- (4) Assessed and mapped 140.35 hectares of potential areas for planting;
- (5) Generated a total of 13 hired staff who are directly employed under the program to aid in the implementation of activities;
- (6) Conducted training/workshop on vermi-composting to the farmer beneficiaries;
- (7) Conducted water quality monitoring in Andanan River;
- (8) Procured 6 units of mobile phone for geotagging, monitoring and inspection of work;
- (9) Conducted semi-annual monitoring and evaluation with CO personnel.

FORMULATION OF MANAGEMENT PLANS

For the formulation of 5-Year Watershed Management Plan, four (4) NIS were completed as of November 2023 viz;

- Cantilan Irrigation System WMP CY 2023-2027
- Tago River Irrigation System WMP CY 2023-2027
- Gibong River Irrigation System WMP CY 2023-2027
- Simulao River Irrigation System WMP CY 2023-2027

IMPLEMENTATION OF PLANS

With the implementation of two (2) WMP in the region hereunder were the accomplishments for the 2 NIS, Cabadbaran RIS and Andanan RIS.

Profiling of NIA Area of Management

Profiling of the proposed planting sites within the CABRIS and Andanan RIS area of management were conducted. A total of 80.35 hectares and 60 hectares respectively were mapped and lot owner/caretaker were identified and were further evaluated. The profiling activity resulted in the identification of beneficiaries which totaled to 104 individuals. (See table no. 1)

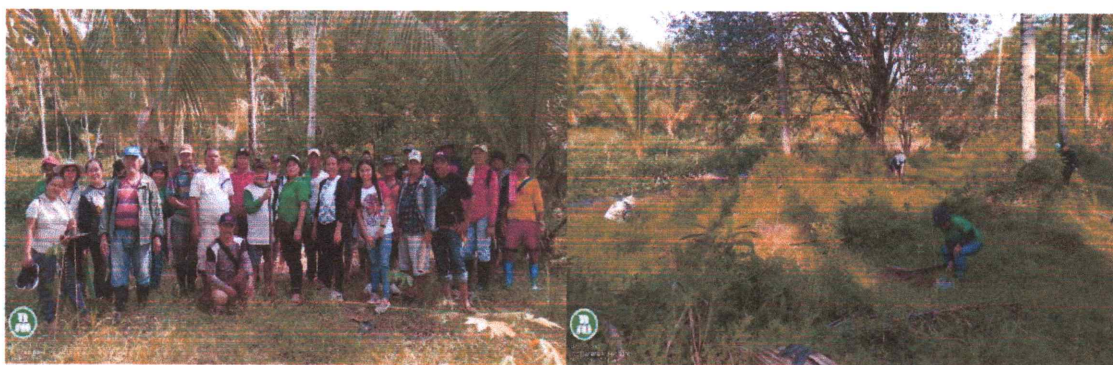
Reforestation/Plantation Establishment within NIA area of management

For this year a total of 80.35 hectares have been planted, the planted area utilized a total of 16,000 seedlings of various species. Further, 60 hectares which will utilize 6,000 seedlings are yet to be planted within the Andanan RIS Watershed in the 1st quarter of 2024. The reforestation efforts under this program for the past year resulted in the planting of 13% of the total area within the NIA area of management covering 187 farmer beneficiaries within the region.

Table No. 1

Cabadbaran River Irrigation System WMP Implementation				
Year	Area Planted (hectares)	No. of Seedlings Planted	Name of Species	No. of Beneficiaries
2022	21.10	4,210	Lanzones	36
2023	80.35	16,000	Lanzones	57
Andanan River Irrigation System WMP Implementation				
2021 (Initial as pilot site)	20	11, 000	Bamboo, Lanzones, Mangosteen, Rambutan, Nangka, Marang, Avocado,	19

			Narra & Assorted Native forest trees	
2022	100	18,000	Bamboo, Mangosteen, Lanzones, Durian, Dwarf Coconut, Cacao, Avocado, Pomelo, Macopa, Santol & Rambutan	75
2023	60	6,000 (to be planted)	Rambutan, Lanzones, Durian, Macopa, Mangoesteen, Avocado, Coconut, Nangka, Marang, Manga & Santol	47
TOTAL	281.45			234



Adopt a Riverbank planting activity within Andanan IWR

Operation and Maintenance of Tree Nursery

The continuous production of planting materials is one of the activities of the plan that will ensure and meet the requirements for high quality seeds and seedlings necessary for the reforestation efforts of the agency to the water resources of irrigation systems. A total of 2,500 and 1,576 seedlings were raised and produced for CABRIS and Andanan RIS, respectively. Two (2) tree nurseries were also maintained. Vermicomposting site was also established in Andanan RIS. Supplies were also procured.



Tree Nursery Maintenance Activities at CABRIS



Seeds Germination of Andanan IWR



On-going Construction of Vermihouse at Andanan IWR Tree Nursery

Maintenance & Protection Activities

For this year, a total of 221.45 hectares of previously established plantation, planted with fruit bearing trees were maintained and protected as of December 31, 2023. Activities include geotagging, ring weeding, and replanting. Meanwhile for some areas with observed low survival, replanting of seedlings was also conducted. A total of 9,113 seedlings were provided to the beneficiaries for replacement.

Cabadbaran River Irrigation System WMP Implementation				
Year	Area Planted (hectares)	No. of Seedlings Replaced	Name of Species	No. of Beneficiaries
2022	21.10	70	Lanzones	36
2023	80.35	1,021	Lanzones	57
Andanan River Irrigation System WMP Implementation				
2021 (Initial as pilot site)	20	3450	Mangosteen, Durian, Lanzones, Narra, Avocado, Bamboo, Tugas, Cacao, Macopa, Rambutan	19
2022	100	4572	Mangosteen, Durian,	75

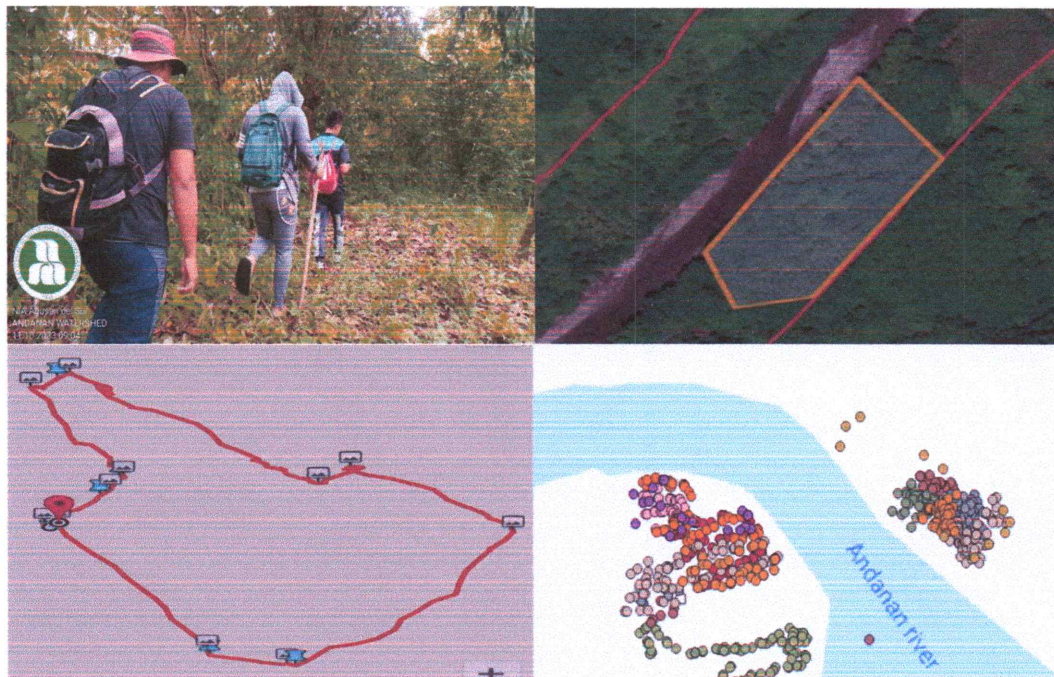
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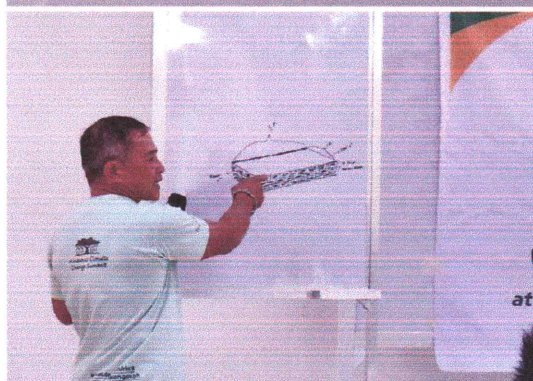
			Lanzones, Bamboo	
2023	60			47
TOTAL	281.45	9,113		234



Conducted Geo-tagging/Tracking of Planted seedling of Andanan IWR

Communication, Education and Public Awareness (CEPA) and Organization, Institutionalization & Capability Building of Stakeholders Association

In the implementation of CEPA, IEC materials were produced and distributed. Moreover, CABRIS had conducted installation of posters/tarpaulin relative to watershed management in irrigation sector and Andanan RIS conducted training-workshop last November 15-17, 2023 on vermi-composting which was participated by the beneficiaries. These will provide awareness and additional inputs to the beneficiaries and its importance to attain sustainability of the program. Quarterly meetings and year-end assessment were also conducted last December 12 and December 22, 2023 for CABRIS and Andanan RIS, respectively.



Installation of Poster within CABRIS NIA AOM

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Year-end assessment last December 12, 2023 at Brgy. Mahaba, Cabadbaran, Agusan del Norte



Conducted Meetings at CABRIS Watershed



Year-end assessment last December 22, 2023 at Bayugan City, Agusan del Sur

Hiring of Personnel and Support Staff

To add manpower requirement of the implementation of the program, the office has been authorized to hire additional personnel and support staff to strengthen the functions of the Irrigation Management Offices in the implementation of their respective management plan for the 2 NIS. CABRIS had hired two (2) utility worker and two (2) technical personnel and for Andanan RIS they have hired seven (7) utility worker, one (1) Environmental Management Specialist and one (1) Community Relations Assistant. Hired staff will aid in the monitoring of the planted seedlings on the established plantations from CY 2021-2023 and conduct maintenance and operations of tree nurseries. Staff were able to attend/participated training-workshop on Watershed Management last October 25-27, 2023 at San Agustin, Surigao del Sur.



Training-Workshop on Watershed Management and Plan formulation participated by RIO Personnel, IMO Personnel, and System Head of Cantilan and Gibong RIS.

Monitoring and Evaluation (M&E) Activities

Monitoring activities for the implementation of the program were conducted last July 24-28, 2023 and December 4-8, 2023 with NIA Central Office personnel. Further, a annual water quality monitoring was also conducted last August 29-September 1, 2023 at the established monitoring sites within Andanan River.



1st Semester R&P WRSIS M&E at Cabadbaran and Andanan RIS Watershed



2nd Semester R&P WRSIS M&E at Cabadbaran and Andanan RIS Watershed





Annual Water Quality Monitoring at Andanan River

Procurement of Equipment, Gadgets and Materials

Substantial investment has been made to ensure that staff and personnel are equipped with knowledge and essential equipment/tools for the monitoring and strict implementation of the program for its sustainability. A total of 5 mobile phone for geotagging of planted seedlings and 2 laptops for mapping and office use were procured for Andanan RIS. Moreover, CABRIS had procured 1 unit of mobile phone also used for geotagging and 1 unit printer, external drive and flash drive. Supplies such as drums (water storage), garden hose, PE Hose, Polyethelene bags, Organic Foliar Fertilizer, water sprinklers were also procured for the maintenance of tree nursery.



Annual Water Quality Monitoring at Andanan River

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ISSUES AND CONCERNS

- No guidelines on the implementation and formulation

WAY FORWARD

- Continuation of the implementation of the plan
- Continuous assistance to IMO



Republic of the Philippines
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NATIONAL IRRIGATION ADMINISTRATION
CARAGA, REGIONAL OFFICE

REHABILITATION & PROTECTION OF WATER RESOURCES SUPPORTING IRRIGATION SYSTEMS (R&P WRSIS)
MANAGEMENT PLAN FOR IRRIGATION WATER RESOURCE ACCOMPLISHMENT REPORT

As of December 31, 2023

Region: CARAGA									
Year	Name of Project	Type of Study (Management Plan Formulation or Implementation)	Location	Allocation	Contract Amount	Mode of Implementation	Accomplishment		Remarks (Reasons for delay, Status, etc.)
							Physical (%)	Financial (%)	
CY 2022	Cantilan IS	Management Plan Formulation	Cantilan, Surigao del Sur	3,200,000.00		Consultancy	100	100	Completed
	Tago RIS	Management Plan Formulation	Tago, Surigao del Sur	3,200,000.00		Consultancy	100	87.41	Completed
	Gibong RIS	Management Plan Formulation	Prosperidad, Agusan del Sur	3,200,000.00		Consultancy	100	99.03	Completed
	Simulao RIS	Management Plan Formulation	Trento, Agusan del Sur	3,200,000.00		Consultancy	100	100	Completed
CY 2023	CABTRIS (Taguibo)	Management Plan Formulation	Taguibo, Butun City	3,500,000.00		Consultancy	10	10	Under Final Inception Report
	Andanan RIS	Year-1 Implementation	Bayugan City, Agusan del Sur	7,283,470.00		By Admin	100	100	Completed
		Year-2 Implementation		4,000,000.00		By Admin	76.18	52.64	Planting of seedlings scheduled on 1 st Qtr of 2024)
	Cabadbaran RIS	Year-2 Implementation	Cabadbaran City, Agusan del Norte	7,000,000.00		By Admin	95.77	89.60	Geotagging of Planted seedlings

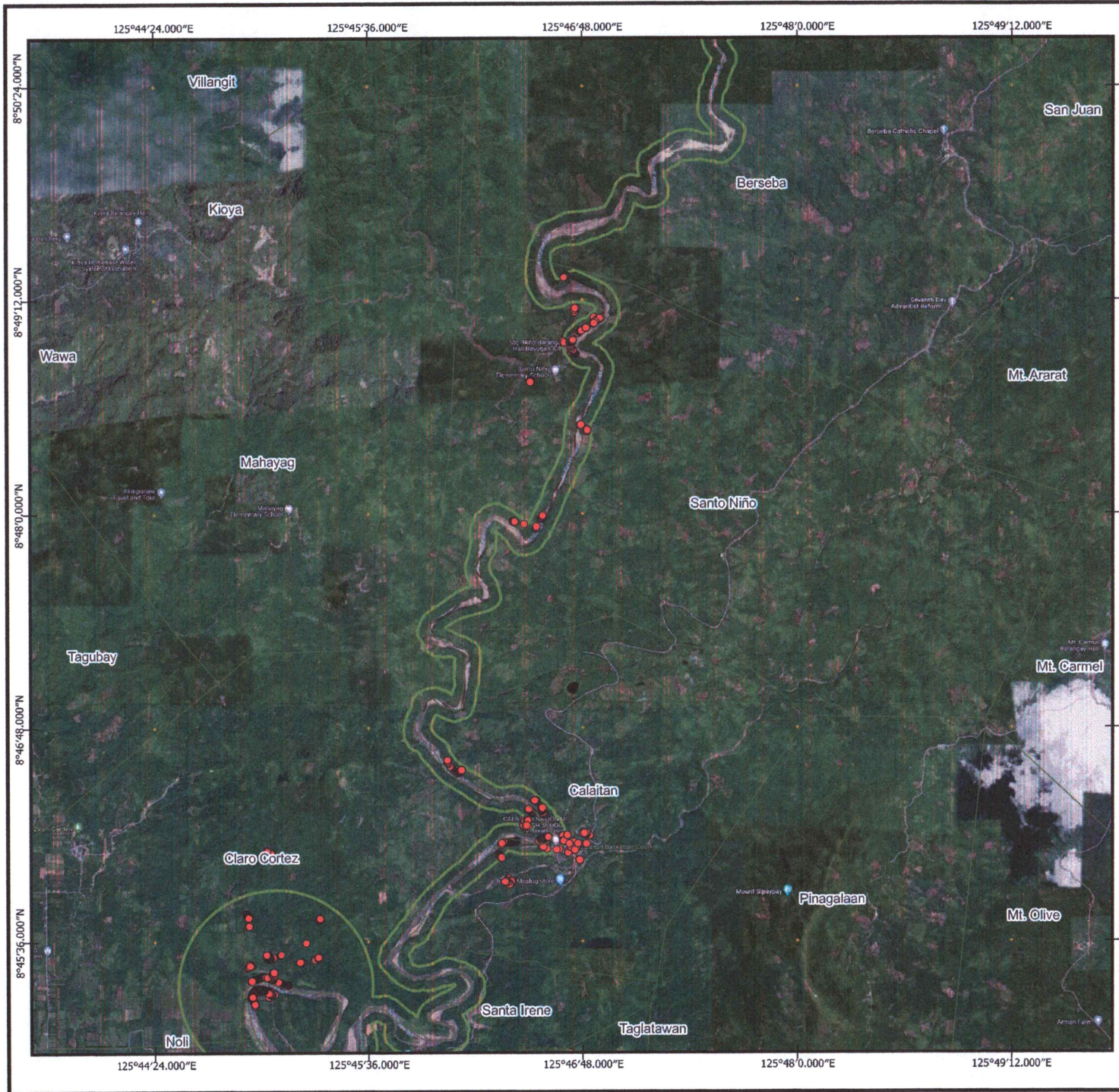
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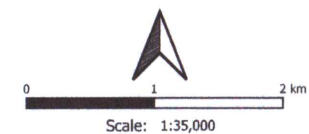
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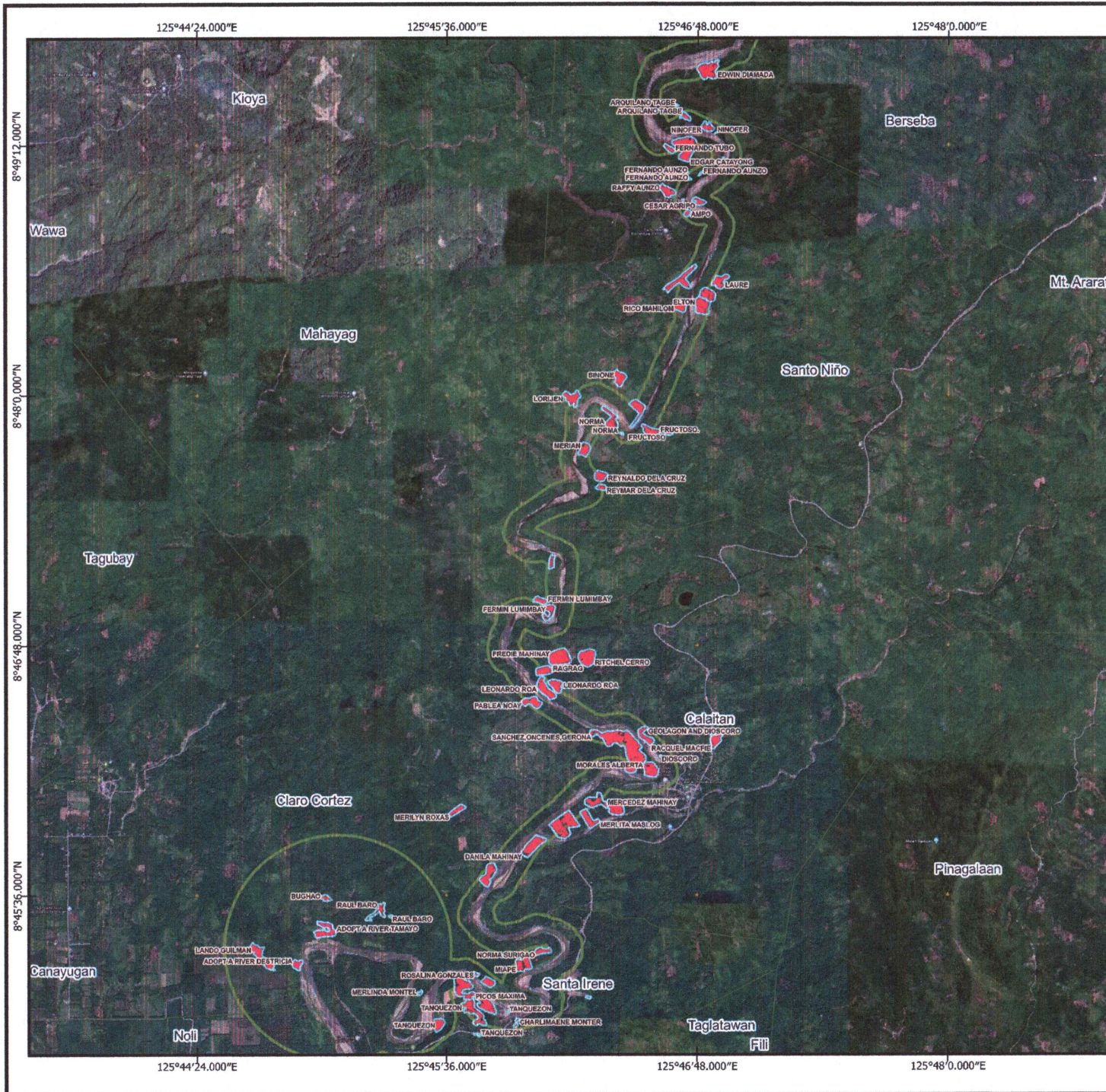
ANDANAN IRRIGATION WATER RESOURCE



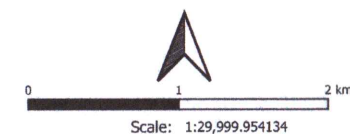
INITIAL IMPLEMENTATION PLANTED AREA MAP

LEGEND :

- AREA OF MANAGEMENT
- SEDDLINGS PLANTED



ANDANAN IRRIGATION WATER RESOURCE



YEAR 1 PLANTED AREA MAP

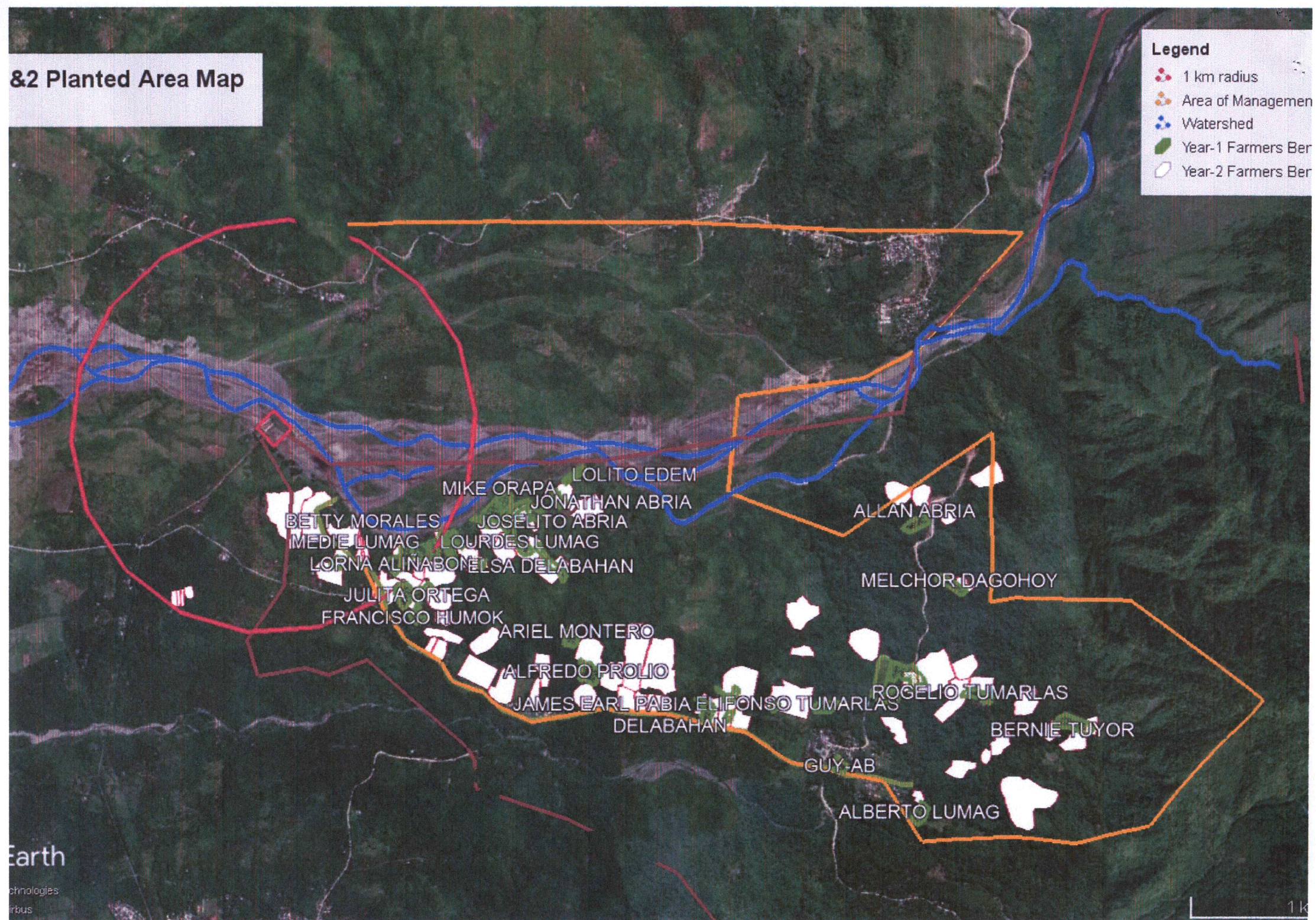
LEGEND :

- AREA OF MANAGEMENT
- PLANTED AREA
- SEDDLINGS PLANTED

Legend

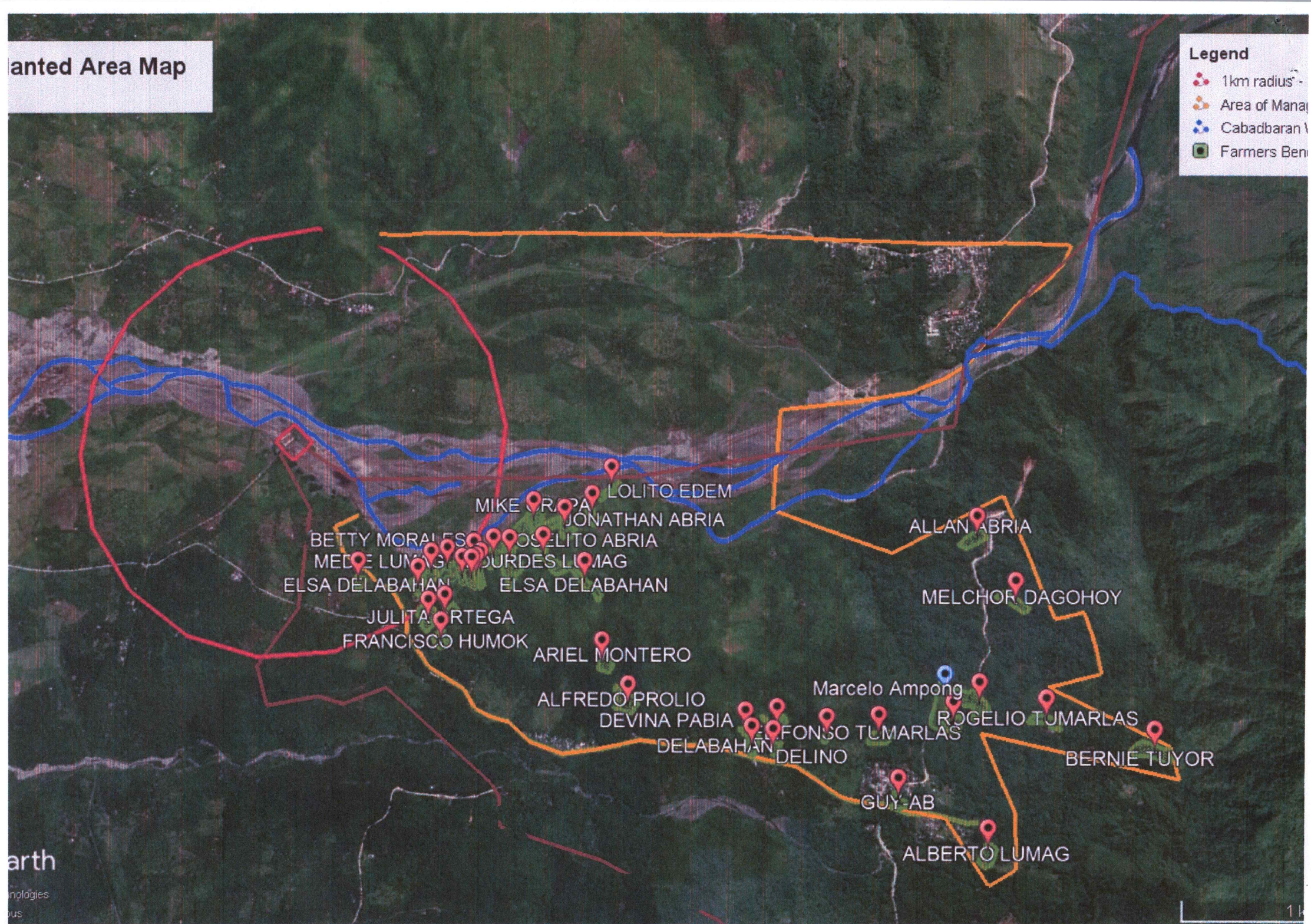
- 1 km radius
- Area of Management
- Watershed
- Year-1 Farmers Ber
- Year-2 Farmers Ber

&2 Planted Area Map



anted Area Map

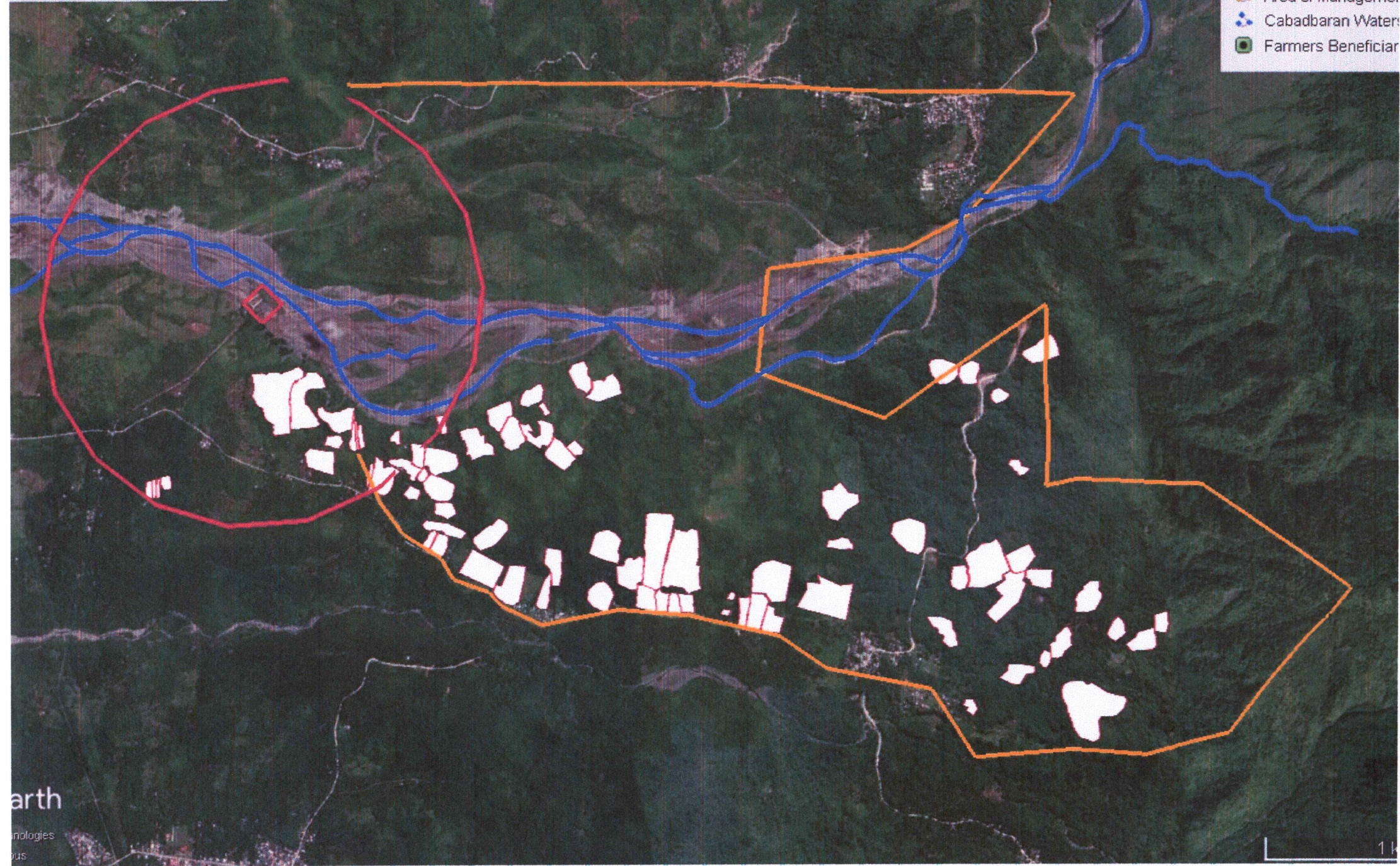
- Legend**
- 1km radius -
 - Area of Manag
 - Cabadbaran
 - Farmers Ben



anted Area Map

Legend

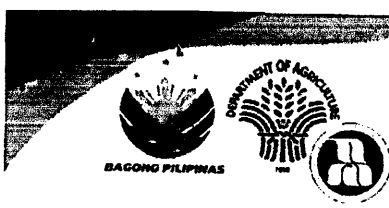
- 1km radius
- Area of Managemer
- Cabadbaran Waters
- Farmers Beneficiar



REGION ____
CY 2023 YEAR-END REPORT

**Rehabilitation and Protection of Water Resources Supporting Irrigation System
(RPWRSIS)**

OUTLINE	DESCRIPTIONS/REMARKS
Table of Contents	
Executive Summary	
1. Introduction	
2. Formulation of Management Plan	Discussion of No. of NIS under formulation, Status of Management Plan, Physical, Financial, Disbursement
3. Implementation of Plan	Include summary table of all ongoing NIS with implementation with Physical %, Financial, and Disbursement
3.1. IMO ____, NIS _(name_)	Please include all activities conducted per NIS such as Plantation, Research and development, MOA with other agencies, Capacity, Training, etc.)
3.1.1. Activity 1	
3.1.2. Activity 2	
3.1.3.	
3.1.4. Activity n	
3.2. IMO__ NIS _(name)_	EXAMPLE
3.2.1. Activity 1	<i>Activity 1: Plantation</i>
3.2.2. Activity 2	-Type of plantation: (Agroforestry, Stream Bank, Restoration)
3.2.3.	- Area planted (ha)
3.2.4. Activity n	-Number of seedlings planted/species planted
	-Spacing
	-Map of all the plantations established
	(input discussions that are necessary)
	<i>Activity 2: Capacity</i>
	-discussed dated conducted, participants etc.
4. Summary of Physical Status of NIS	Project POW with Target vs Accomplishment
5. Summary of Financial Status of NIS	Project POW with Target vs Accomplishment
6. Issues and Concerns	
7. Way forward	
8. Photo Documentation	3-5 pages Included location, date and What activities conducted per image



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
NATIONAL IRRIGATION ADMINISTRATION
CENTRAL OFFICE

November 07, 2023

TO : THE REGIONAL MANAGERS
All Regions, NIA

FROM : ENGR. JOSEPHINE B. SALAZAR
Officer-In-Charge
Office of the Deputy Administrator
Engineering and Operations Sector

SUBJECT : SUBMISSION OF MONTHLY AND YEAR-END REPORT UNDER
THE REHABILITATION & PROTECTION OF WATER
RESOURCES SUPPORTING IRRIGATION SYSTEMS (RPWRSIS)
PROGRAM

Relative to the monitoring of the ongoing RPWRSIS Program, you are hereby reminded to update the regional monitoring website at <https://sites.google.com/nia.gov.ph/wrsis/home>, submit monthly accomplishment report and year-end report. In addition, please be reminded to include the following information:

Monthly Accomplishment	Year-End
<ol style="list-style-type: none">1. Physical and Financial (%)2. Disbursement (Php)3. For Formulation of Plan: Status of the report, updated end of contract, NTP, etc.4. For Implementation of Plan: Area (hectares) and number of seedlings and species planted	<ol style="list-style-type: none">1. Executive Summary2. Formulation of Management Plan3. Implementation of Plans4. Summary of Physical Status of NIS5. Summary of Financial Status of NIS6. Issues and Concerns7. Way forward8. Photo documentations <p><i>Note: See attached sample template</i></p>

To fast-track the submission, it is advice that an advance copy of the documents must be forwarded via email at ed.ppd.ewms@nia.gov.ph.

For your compliance.

ENGR. JOSEPHINE B. SALAZAR



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
NATIONAL IRRIGATION ADMINISTRATION
CENTRAL OFFICE

#683497

November 07, 2023

TO : **THE REGIONAL MANAGERS**
All Regions, NIA

FROM : **ENGR. JOSEPHINE B. SALAZAR**
Officer-In-Charge
Office of the Deputy Administrator
Engineering and Operations Sector

SUBJECT : **SUBMISSION OF MONTHLY AND YEAR-END REPORT UNDER THE REHABILITATION & PROTECTION OF WATER RESOURCES SUPPORTING IRRIGATION SYSTEMS (RPWRSIS) PROGRAM**

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4. For Implementation of Plan: Area (hectares) and number of seedlings and species planted	4. Summary of Physical Status of NIS
	5. Summary of Financial Status of NIS
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	8. Photo documentations
	Note: See attached sample template

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For your compliance.

ENGR. JOSEPHINE B. SALAZAR

RBU-
PHUG-
GJB-
JTG- ON FIELDWORK