

OTHER SIGNIFICANT ACCOMPLISHMENTS

Improved Land Administration and Management

For socio-economic and environmental development sound land administration and sustainable management are important and crucial for good governance. Highlighting the Region's activities on land disposition was the issuance of patents which creates a sense of security to qualified beneficiaries. Land cases and complaints were addressed thru amicable settlement and Alternative Dispute Resolution (ADR).



PENRO Iloilo—Handog Titulo Program in Brgy. Mina East, Mina, Iloilo



PENRO Capiz—Awarding Agricultural Patents during the "Serbisyo Caravan" In Tapaz, Capiz

Patent Issuance

After a long wait, finally the smiles beamed in the faces of the recipients holding the title of the land they tilled for the longest time. For CY 2023, the Region issued a total of 2,285 patents of which 944 residential (118%), 1,248 agricultural (156%), and 81 special patents (418%). Under residential free patent, among the six (6) provinces Aklan had the highest target of 200 and accomplished 258 (129%) and the same is true in agricultural free patent with 200 targets and 508 (254%) accomplishment. For the issuance of special patents, the province of Iloilo had the highest target of 25 and accomplished 30 (120%).

In terms of resolution of land cases, 46 ADR proceedings (329%) and one (1) amicable



Table 6. Residential Free Patent Issued CY 2023

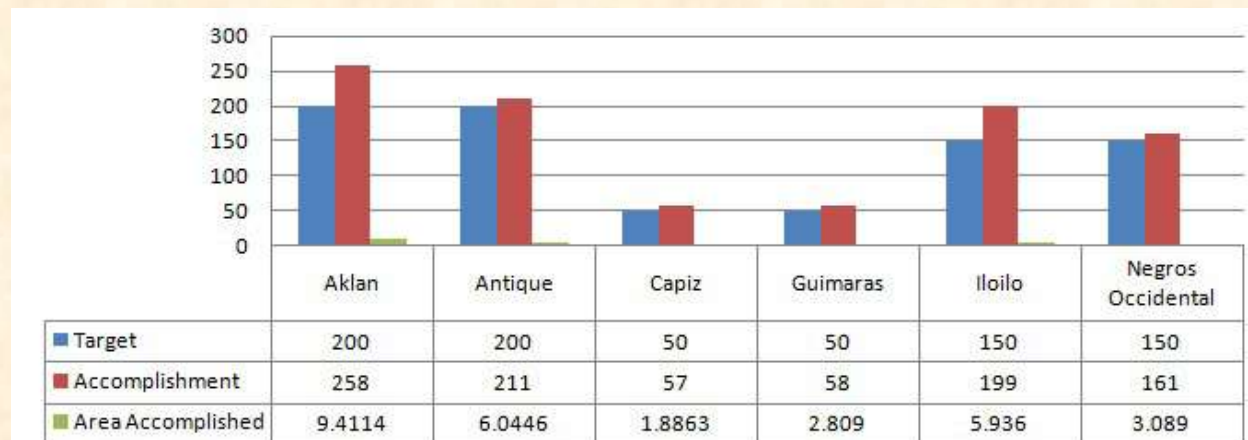


Table 7. Agricultural Free Patent Issued CY 2023

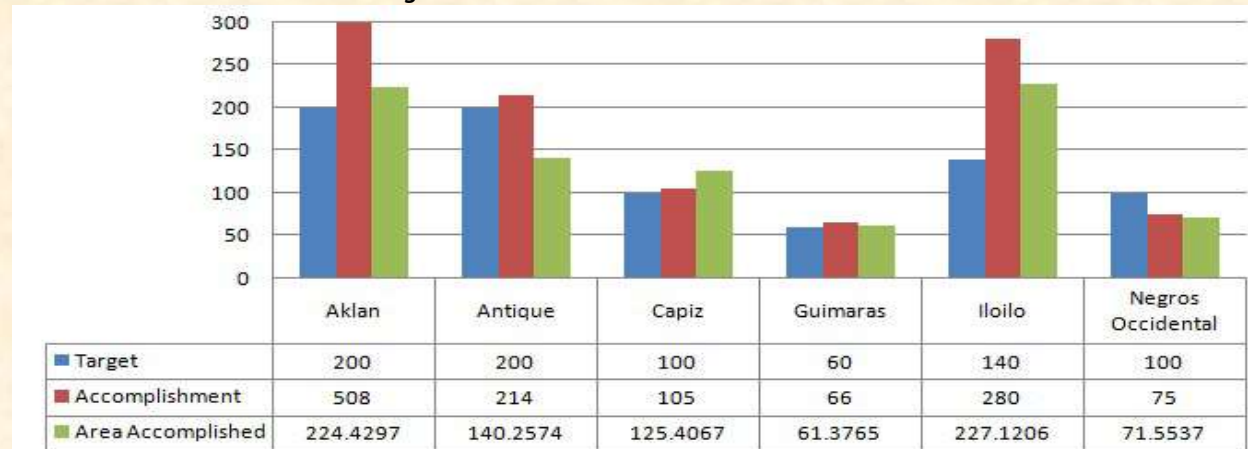
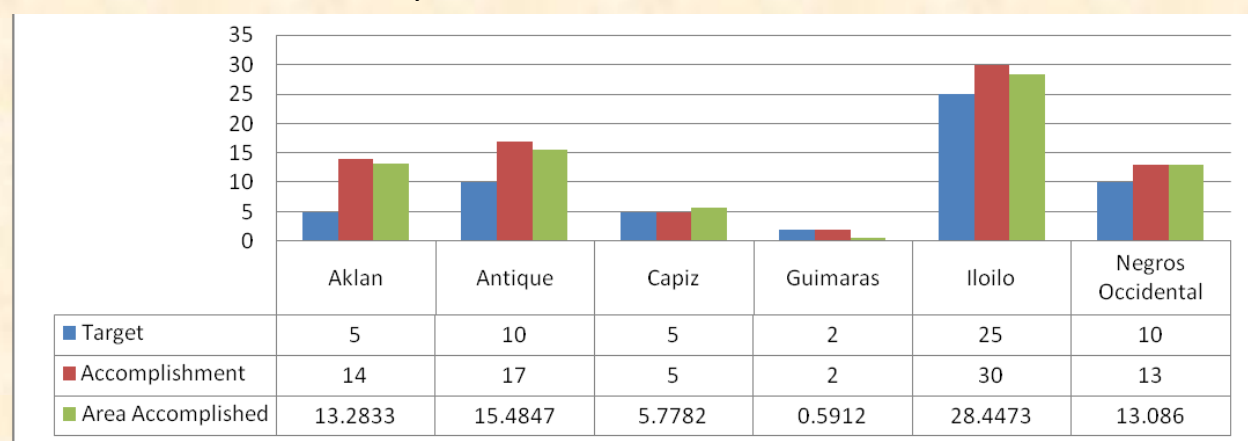


Table 8. Special Patent Issued CY 2023





PENRO Iloilo—Pulong-pulong with the actual claimants in Brgy. Caninguan, Lambunao, Iloilo



PENRO Iloilo—House to house survey and receipt of land titling applications, Lambunao, Iloilo

settled were conducted.

Other Activities under Lands

As part of sound management of land administration, other activities accomplished: 1,066 (152%) lots surveyed and approved for residential and 1,222 (175%) for agricultural areas; processed 12 (109%) foreshore area applications for issuance of lease contracts; issuance of 30 (100%) revocable permits from CENROs Guimbal and Sara in the province of Iloilo; approval of 2,646 survey plans through Land Administration Management System (LAMS); and verification and correction of 11 datasets as part of Digital Cadastral Database (DCDB) Cleansing for survey records (Tubungan and Sara, Iloilo; President Roxas, Roxas City, Sapián, Sigma and Tapaz, Capiz; Buenavista, Jordan, Nueva Valencia and San Lorenzo, Guimaras).

For maintenance of land records, one (1) database has been maintained for regional LAMS (GAD mainstreamed); scanning and encoding of 2,559 new patents; and hiring of four (4) Geodetic Engineers.

To avoid overlapping of the Certificate of Ancestral Domain Title (CADT) or Certificate of Land Ancestral Land Title (CALT) of the National Commission of Indigenous People (NCIP) with the ENR projects, there (3) projections of CADTs/CALTs were conducted in the

municipalities of Calinog in Iloilo province and Tapaz and Dumarao in Capiz.

Community-Based Forest Management—Comprehensive Agrarian Report Program (CBFM-CARP)

The implementation of the program continually benefitted the qualified upland communities. The program has six (6) components: Support to Agroforestry and Livelihood Development; Enterprise Livelihood thru Financial Assistance/Subsidy to PO; GIS Mapping of completed CBFM-CARP Projects in CY 2007 and 2008; conduct of Multi-Stakeholders Regional Action and Communication Planning in support to the updated CBFM Strategic Plan (CY 2023-2032); Organizational Development Skills Enhancement; and hiring of Monitoring and Evaluation Officer.

For the year, only one (1) CBFM-PO was the recipient of support to agroforestry and livelihood development. The recipient PO is Dalicanan Agroforestry Farmers Association (DAFFA) located at Brgy. Dalicanan, Passi City. The area developed was 16 hectares where six (6) hectares planted with 2,400 mahogany and 10 hectares planted with 1,000 fruit trees. The agricultural crops planted were beans, squash and eggplants and the working animals procured were two (2) carabaos registered under the association.

The recipient of the livelihood enterprise thru financial assistance/subsidy of Php 1,470,000.00 was Inampuagan Highland Farmer Association, Inc. (IHFA) located in So. Inampuagan, Brgy. San Antonio, Barotac Viejo, Iloilo. The livelihood subsidized were coffee processing machine and packaging plant. The coffee plantation was established in CY 2010 and with the assistance received for CY 2023 they expressed their interest to expand their plantation. Also planted in the area were bananas.

To measure the impact of the projects after five (5) years from its implementation, two (2) socio-economic and environment baselining surveys (SEEB) were conducted to Inampuagan



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Highland Farmers Association (IHFA) with 32 respondents; and Dalicanan Agro-Forestry Farmers Association (DAFFA) with 25 respondents. The data gathered will be the baseline in the conduct of the project's impact to the beneficiaries and environment.

Monitoring and evaluation were conducted in the 14 CBFM-CARP projects covering CYs 2009, 2010, 2012, 2016, 2019, 2020, 2021, and 2022.

Table 9. CBFM-CARP Projects, CY 2023

Year	PO Name	Project Title	Remarks
CY 2022	Altavas Small Fishermans Association <i>Sitio Guisi, Brgy. Odiong, Altavas, Aklan</i>	Enrichment Mangrove Plantation, Crab Fattening and Litob Production (3.0 has.)	<ul style="list-style-type: none"> released a 38.25 kilograms of litob production area 15.7 kilograms crabs also released in the crab cage During the inspection, the survival rate of Pagatpat, Piapi and Bakauan is 91%.
2022	Katilingban sang Pumuluyonganaga-Atipansa Watershed sang Maasin Incorporated	Bamboo Handicraft Making/Production (Financial Enterprise/ Subsidy to PO)	Non-electrical and electrical hand tools were used to produce handicrafts like designed "amakan", waived bamboo for ceiling, mugs, lampshade or decorative materials for interior lightings, and bamboo back scratcher "pangkalot".
2021	GemomuaAgahon Integrated Social Forestry Beneficiaries Association (GAISFOBA) <i>Barangay GemomuaAgahon, Passi City, Iloilo</i>	Enrichment Planting and Agroforestry Plantation with Boundary Planting (14.0 has.)	<ul style="list-style-type: none"> Planted agroforestry and fruit trees were vigorously growing Intercropped Bananas are productive and some members had already generated income with a total harvest of 159 kg, 55kg of which is consumed and 104 kg is sold to the market.
2021	Tamulalod, Bungsu-an Lawa-an AgroforestryFarmers Assn. (TAMBULAW-AgFa) <i>Brgy. Tamulalod, Dumarao, Capiz</i>	Fruit Tree-based Agroforestry Development (50.0 has.)	<ul style="list-style-type: none"> Php 200,000.00 remaining balance on their bank account The two (2) head Carabaos procured: One (1) carabao was 8 months pregnant; other one (1) has a 5-month-old male calf; and Rotation the vegetable production



Table 9. CBFM-CARP Projects, CY 2023

Year	PO Name	Project Title	Remarks
2020	Asluman Vendors Association (AVA) <i>Brgy. Asluman, North Gigantes Island, Carles, Iloilo</i>	Indigenous and Orchard Plantation establishment with Backyard/Agricrop Vegetables Productions (50 has.)	<ul style="list-style-type: none"> Planted cacao and coffee seedlings were healthy, vigorously growing and on its flowering stage BOD decided to continue the raising of Cacao and Coffee seedlings and other fruit bearing trees for replanting materials to the identified dead spot of the PO's monitoring and evaluation committee; and PO continuously harvest bananas which they consumed and some were sold to the community as another source of income
2020	Magdungao Passi Agro Forestry Farmers Association (MPAFFAI) <i>Brgy. Magdungao, Passi City, Iloilo</i>	Enrichment Planting and Orchard Establishment (15.0 has.)	<ul style="list-style-type: none"> Planted with Narra, Rambutan and Lanzones with 87% total survival rate through plot sampling. Total produced bananas— 1, 135.10 kg, total income of Php 22, 345.00. Further, five percent (5%) or equivalent to Php 1, 117.25 of total income for banana is allocated for PO's Benefit Sharing.
2019	Navigata Upland Farmers Association Inc. (NUFAI) (Financial Enterprise/ Subsidy to PO)	Agroforestry Livelihood (Abaca Fiber Production Enterprise Project)	<ul style="list-style-type: none"> Temporarily, the post-harvest facility was utilized for organizational activities. Planted a total of 1250 hills Abaca Sucker. Ongoing maintenance and protection activities.
2019	Canabawan Environment Protectors and Developers Association (CEPDA)	Timber and Fruit Trees Plantation Intercropped with Cacao (15.0 has.)	Narra seedlings planted in open areas were vigorously growing with an average height of 2.2 meters
2016	Navigata Upland Farmers Association Inc. (NUFAI)	Indigenous Trees and Fruit Trees Plantation intercropped with Coconut (50.0 has.)	<ul style="list-style-type: none"> Harvested 35 kilograms Cacao with a market value of Php1,050.00 (100% consumed). Has 5 heads of Carabao distributed to its members.

<i>Table 9. CBFM-CARP Projects, CY 2023</i>			
Year	PO Name	Project Title	Remarks
2010	Igcamalig Upland Farmers and Farmworkers Association (IUFFA)	Forest Enhancement through Rattan, Kalamansi, and SALT for Livelihood (95.0 has.)	Fruit trees on fruiting stage, initially harvested a total of 1,020 kilogram of fruits with equivalent market value of Php13,850.00 (40% consumed; 60% sold)
		Fuelwood and Fruit Trees Plantation intercrop with Coconut and Cacao (30.0 has.)	Replanted 115 hills of Coconut and 135 hills of Coffee
2012	Bagonbon Environmental and Development Association (BEDA)	Orchard Plantation with Agricrops and Vegetables Production (10.0 has.)	Harvested 355 kilograms of fruit trees with a market value of Php9,100.00 (50% consumed; 50% sold)
2010	Sewahon Community Based Forest Management Organization (SCOFMO)	Agroforestry Livelihood Project (75.0 has.)	<ul style="list-style-type: none"> • Bamboo culms planted on harvestable stage • Coffee seedlings planted were on fruiting stage, farmers used for daily consumption
2009	San Jose Reforestation Management Association (SJRMA) <i>Brgy. San Jose, Lemery, Sara</i>	Rattan, Fruit Trees and Vegetable Production for Sustainable Livelihood (25.0 has.)	<ul style="list-style-type: none"> • Existing livelihood such as Chicken Nuggets and Polvoron making made of bamboo shoots. • Lack of materials/equipment for the production of their bamboo products. • There is an existing CY 2018 Rattan plantation project funded under E-NGP Project in the area



Monitoring of different CBFM-CARP projects implemented

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The conduct of reconnaissance and actual ground survey of CYs 2007 and 2008 CBFM-CARP Projects facilitated the completion of the GIS mapping of the said project. Based on the actual ground survey and GIS mapping a total of 316.94 hectares were re-surveyed/ accomplished with eight (8) generated maps, which exceeded the annual target of 313.0 hectares. For CY 2007, there are 100.39 hectares implemented by three (3) POs, namely: Patlabawon Integrated Social Forestry Upland Farmers Association, Inc. (PISFUFAI), Brgy. Patlabawon, Patnongon (31.39 has), Malalubi Upland Farmers Association (MUFAl), Brgys. Mablad, Langka-on, Lumboyan and Biga-a, Barbaza (32.37 has), and NISFFAI Development Cooperative Brgy. Nazuni, Dingle, Iloilo (36.63 has). For CY 2008, there are 216.55 hectares implemented by five (5) POs, namely: Tuno Upland Farmers Association (TUFA), Brgy. Tuno, Tibiao, Antique (35.0 has); Samahan ng Mambubukidsa Tabun-acan, Inc. (SMTPCI), Brgy. Pilar, Capiz (50.45 has); Southern Negros Forest Occupancy Permittees Association (SONFOPA), Brgys. Talacdan and Sura, Cauayan, Negros Occidental (85.78 has); Pangi Active Community Empowerment Development Association (PACEDA), Brgy. Pangi, San Dionisio, Iloilo (22.08 has); and United Canlusong for Upland Reforestation and Development (UCURD) (22.64 has).

The objective of the project is to better the economic state of the beneficiaries was achieved with the income obtained from the harvest and products out of the livelihood of the



Blessing of Altavas Small Fisherman's Association (ASFA) pumpboat under the CBFM-CARP CY 2022 project. at the mangrove area of Sitio Amiligan No. 1, Brgy. Cabugao, Altavas, Aklan



Portion of the 50-hectare CY 2021 fruit-tree-based agro-forestry development by Tamulalod, Bungsu-an Lawa-an Agro-forestry Farmers Assn. (TAMBULAW-AgFa) in Brgy. Tamulalod, Dumarao, Capiz



Table 10. Production and Income, CBFM-CARP

Name of PO	Livelihood Component	Income Derived	Produced/Harvested (kg)	Strategies/Remarks
CY 2023				
1. Katilingban sang Pumuluyon-ganaga-Atipan sang Watershed sa Maasin (KAPAWA-Maasin)	Bamboo Handicraft Making (lamp shades, <i>kabaog/rupero</i> , <i>kalot</i> , Parol, shrimp)	32,300.00	49 pcs.	Made to Order
	Amakan / Sawali	34,800.00	44 pcs.	
1. GemomuaAgahon Integrated Social Forestry Beneficiaries Association (GAISFOBA)	Vegetable and Banana production	14,648.00	Squash – 195 kgs. Eggplant – 435 kgs. Stringbeans – 59 kgs. Banana – 159 kgs.	Community Trading and Whole Sale >From CY 2022 up to present income
2. Tamulalod, Bungsu-an Lawaan Agro-forestryFarmers Assn. (TAMBULAW-AgFa)	Vegetable production	42,270.00	Squash – 17 kgs. Ampalaya – 265 kgs. Okra – 12,850 pcs. Kadios – 5 kgs. Sitaw – 182 kgs. Mongo – 2 kgs. Chili pepper – 14 kgs. Eggplant – 15 kgs. Ginger – 112 kgs. Cucumber 15 kgs.	Community Trading and Whole Sale >CY 2022 up to present income
CY 2021				
3. Salcedo Forest Developers Association (SAFDA)	Vegetable production	35,550.00	Squash – 245 kgs. Sitaw – 305 kgs. Eggplant – 368 kgs. Sili – 26 kgs. Ginger – 70 kgs. Kadios – 110 kgs. Pepper – 40 kgs.	Community Trading and Whole Sale >CY 2023 income

<i>Table 10. Production and Income, CBFM-CARP</i>				
Name of PO	Livelihood Component	Income Derived	Produced/Harvested (kg)	Strategies/ Remarks
CY 2021				
4. Talon Uplanders Association (TUPA)	Abaca production	6,800.00		>Wholesale
5. Barangay Camindangan Active Farmers Association of Sipalay Inc. (BCAFASI)	Vegetable Production	38,680.00	Balatong - 127 kgs. Talong - 36 kgs. Okra - 98 kgs. Ampalaya - 107 kgs. Kalabasa - 43 kgs. Paitan - 55 kgs. Pidada - 45 kgs. Kamatis - 21 kgs.	Community Trading
CY 2020				
1. Magdungao Passi Agro Forestry Farmers Association (MPAFFAI)	Vegetable Production	42,130.00	Banana – 1,917.10 kgs. Squash – 60 kgs. Eggplant – 3 kgs. Stringbeans – 174 kgs.	Community Trading With 5% BSS From CY 2021 up to present income
2. Asluman Vendors Association (AVA)	Vegetable and Banana production	41,758.00		Community Trading >From CY 2020 up to present income
CY 2019				
1. Igcamalig Upland Farmers and Farmworkers Association (IUFA) Cash Crops/ Agricrops 6,400.00 Sweet Potato – 3,200 kgs. Individual Selling	Cash Crops/ Agricrops	6,400.00	Sweet Potato – 3,200 kgs.	Individual Selling
CY 2018				
1. Kabulihan Farmers and Forest Developers Association (KFFDA)	Banana Production	1,950.00	Banana (Saba) - 70kgs	Individual Selling

<i>Table 10. Production and Income, CBFM-CARP</i>				
Name of PO	Livelihood Component	Income Derived	Produced/ Harvested (kg)	Strategies/ Remarks
CY 2016				
1. Navigata Upland Farmers Association Inc. (NUFAI)	High value crops/Fruit trees	81.00.00	Cacao - 2.7 kgs.	Individual Selling
2. Tigbabais Upland Farmers Association (TUFA)	Agricrops/ Banana production	2,600.00	Banana - 260 kgs.	Individual Selling
CY 2012				
1. Bagonbon Environmental and Development Association (BEDA)	Fruit trees, Agricrops and Vegetables Production	4,500.00	Fruit Trees - 175 kgs.	Individual Selling
CY 2010				
1. Igcamalig Upland Farmers and Farmworkers Association (IUFA)	Fruit trees, Agricrops and Vegetables Production	5,850.00	Fruit Trees - 390 kgs.	Individual Selling
2. Inampuagan Highland Farmers Association, Inc. (IHFA)	Banana and Coffee Production	5,000.00	Banana – 200 kilo Coffee – 500 kilo	Community Trading >CY 2010,2015 & 2018 up to present income

POs. For 15 POs, a total of Php315,317.00 income was derived from the harvest of vegetables, bananas and other cash crops and bamboo crafts. The projects covered those implemented since 2010 until 2023.

003—Adaptive Capacities of Human Communities and Natural Systems Environment and Natural Resources Resiliency Program

The impact of climate change take its toll both to the people and environment, hence mitigating measures as well as adaptability and resiliency have been endeavoured. For Region 6, Environment and Natural Resources Resiliency Program was implemented with various activities undertaken such as preparation of watershed characterization cum vulnerability assessment in Dalanas River Watershed in the province of Antique; creation of Watershed Management Council (WMC); and validation/updating of watershed boundaries and naming of watershed based on ridge-to-reef validated boundary.

One (1) Watershed Characterization cum Vulnerability Assessment (WCVA) was conducted in Dalanas River Watershed, a medium watershed that covers a total area of 17,770.35 hectares. It is located in the province of Antique at the western portion of Panay Island and is bounded to the North by the municipality of Culasi, to the South by the municipalities of Laua-an and Bugasong, to the West by the Cuyo East Pass, and to the East by the province of Aklan and Capiz. Overall, the watershed covers an area spanning to a total of there (3) provinces, seven (7) municipalities, and 31 barangays.

One important initial component under the National Integrated Protected Areas System located within the watershed is the Dalanas River Watershed Forest Reserve (DRWFR) declared under Presidential Proclamation Number 603 of 1990. Said watershed has an area of 8,558 hectares and covers barangays of the municipality of Barbaza, namely: Marigne, Langca-on, Mayabay, Idao, and Nalusdan. The area is rich with diverse flora and fauna and has the presence of unique geological and hydrological formations which is also the reason for its inclusion as part of the proposed protected area under the Central Panay Mountain Range.

Hazards identified in the watershed were flooding and soil erosion. Using GIS, the potential impact maps of both these hazards were generated. Potential impact for flooding



showed that the watershed had a high (4,047.11 ha.) to moderate (3,839.12 ha.) susceptibility. On the other hand, the potential impact of soil erosion showed a very high (4,593.04 ha.) to high (4,804.46 ha.) susceptibility. Adaptive capacity of the barangays within the watershed were generated via house-to-house surveys and yielded an overall average rating of low for both hazards. Formulation of the vulnerability assessment maps used the potential impact and adaptive capacity for each hazard. Vulnerability assessment for flooding had a high (4,044.15 ha.) to moderate (5,506.48 ha.) result while for soil erosion it was from very high (8,267.17 ha.) to high (5,148.03 ha.) vulnerability.

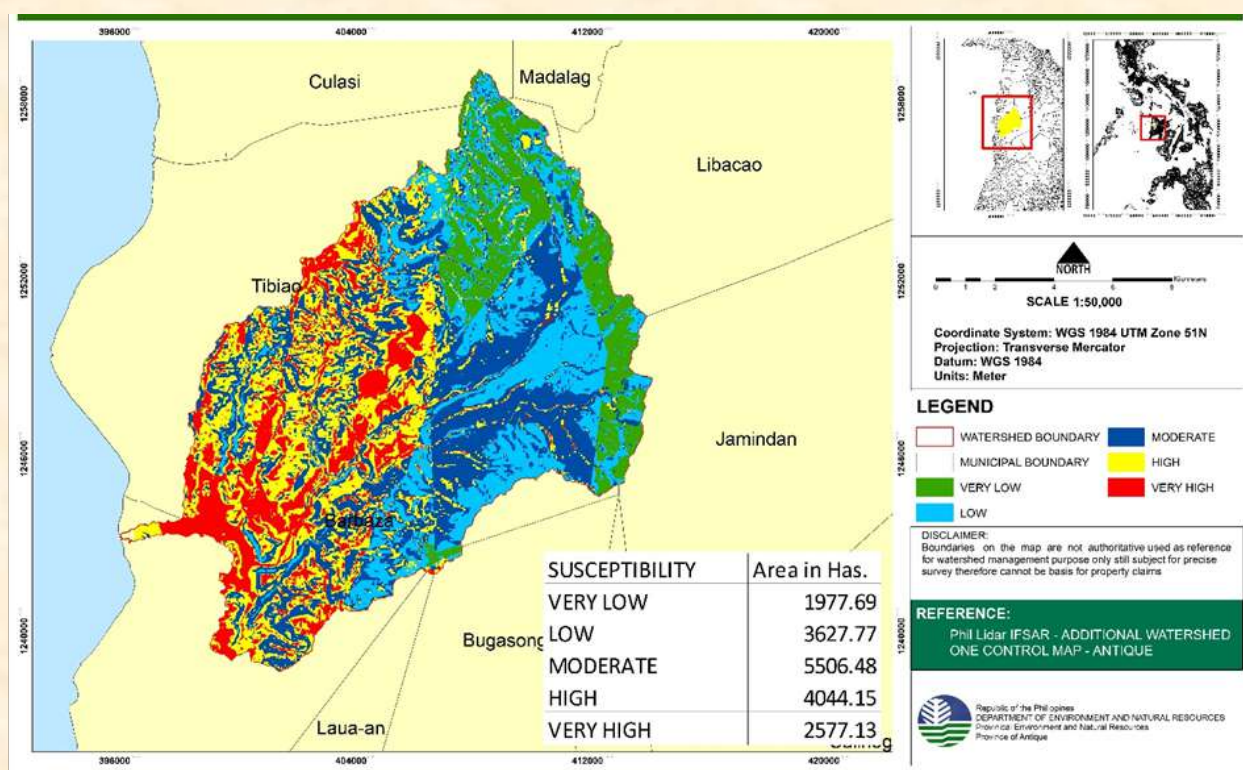


Figure 4. Vulnerability Assessment Map of Dalanas River Watershed - Flooding

Based on the assessment conducted, there are three (3) main categories for mitigating measures that can be implemented in the watershed. These are green, engineering and community development measures. The policy recommendations include Forest Management Zoning for Dalanas River Watershed, issuance of appropriate tenurial instrument, and protection of remaining natural forests.

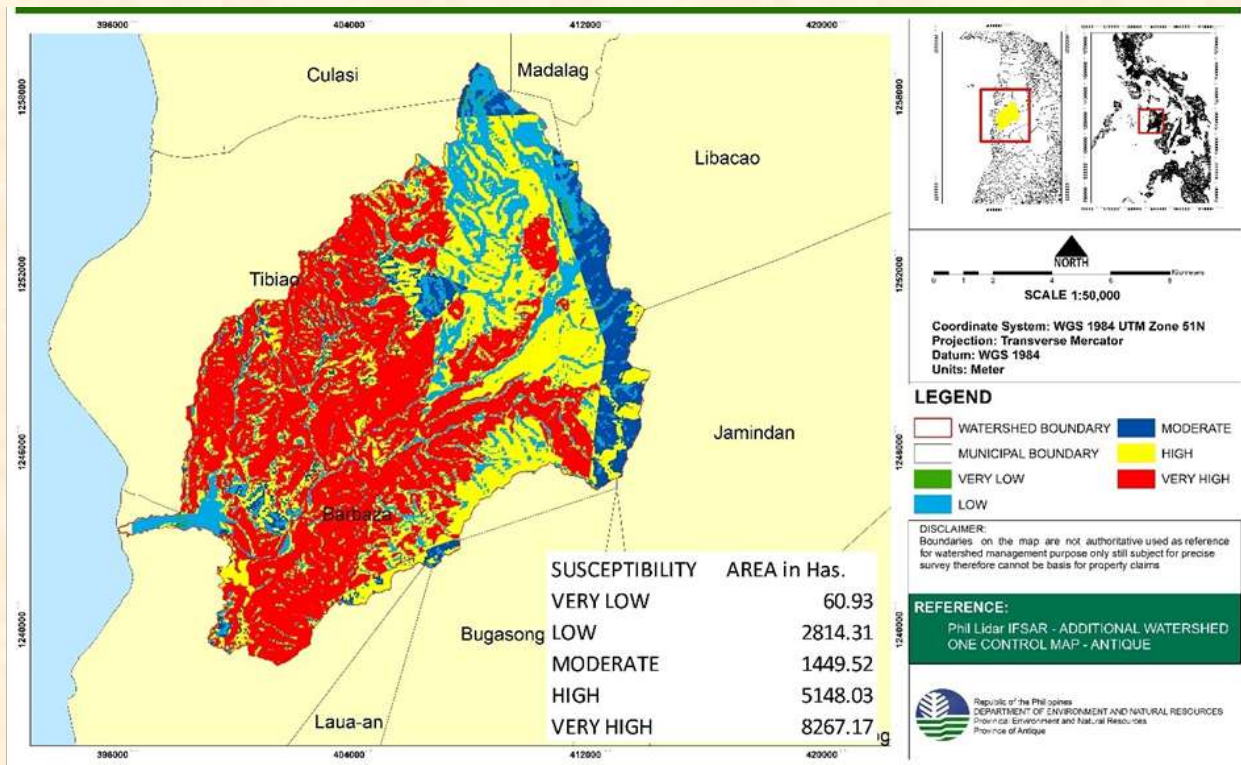


Figure 5. Vulnerability Assessment Map of Dalanas River Watershed - Erosion

The national and local government with the private sector and non-government organizations have been working in collaboration for the development of the watershed through rehabilitation and conservation efforts. However, the bio-physical condition of the watershed revealed by the result of the characterization and profiling that there is a need to conserve the resource and rehabilitate the degraded areas including those within alienable and disposable lands.



PENRO Antique—
adaptive capacity
interview

PENRO Antique—rapid
flora and fauna

PENRO Antique—soil
sampling

PENRO Antique—water
sampling



As regards the creation of Watershed Management Council (WMC), a Memorandum of Agreement (MOA) for the creation of Mau-It Tipulu-an River Integrated Watershed Management Council was conducted on August 23, 2023 at Diversion 21 Hotel, Iloilo City.

The council approved the resolution approving the Sibalom-Tipuluan River Watershed as the new name for the Mau-it Tipuluan River Integrated Watershed per DMC 2022-04. It was already submitted to the Central Office.

Ecosystem-Based Adaptation in Two (2) River Basins (E2RB) Project

Ilog-Hilabangan with an expansive basin area of 1,945 square kilometres ranked as the 11th largest river basin in the Philippines. The basin plays a pivotal role in the region's ecological balance and sustainability as it covers strategic cities and municipalities in Negros Occidental and Negros Oriental. Collaborative effort involving 15 local government units (LGUs) of both provinces took center stage. Under Ecosystem-based Adaptation in 2 River basins (E2RB) Project, the LGUs actively engaged in implementing EbA strategies to address the pressing issues of flooding and landslide risks affecting vulnerable local communities. Consequently, local conservation areas (LCAs) was created. The targeted programs include reforestation and riverbank stabilization. The LGUs, including Candoni, Cauayan, Ilog, Himamaylan, Kabankalan, and Sipalay in in Negros Occidental, as well as Jimalalud, Ayungon, Tayasan, Manjuyod, Bindoy, Mabinay, Bayawan, Bais, and Tanjay in Negros Oriental, demonstrated their commitment by signing local subsidy agreements with the E2RB Project.

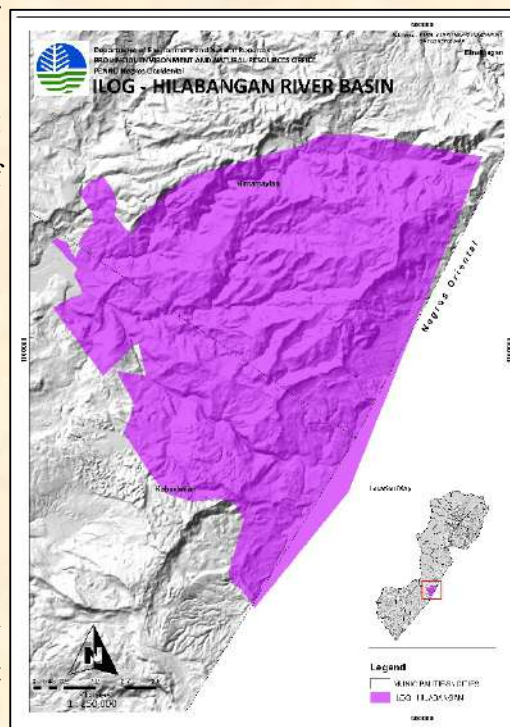


Figure 5. Ilog-Hilabangan River Basin Map

The activities include Basin Management Council Meeting, presentation on the proposal for local subsidy, and monitoring and progress assessment of LGU Sipalay City's local subsidy project.

The E2RB project covering the two (2) rivers situated in Ilog-Hilabangan River Basin is instrumental in address climate change concerns through conservation strategies in the area, hence mitigate issues on flooding and landslides.

Boracay Island Rehabilitation

Tagging Boracay Island as 'cesspool' in 2018 paved the way to the island's closure in April 2018 for rehabilitation. Different agencies and LGUs collaborated focusing on their mandate. Following the rehabilitation in June 2022, the offices successfully implemented policies outlined by Boracay Inter-Agency Task Force (BIATF), specifically on environmental protection, management and conservation. For CY 2023, CENRO Boracay started the year continually utilizing the remaining budget in 2022 until October 2023. Collaboration with Boracay stakeholders and other agencies sustained the continuance of the rehabilitation efforts which extensively begun in 2018.

The accomplishments include repair of four (4) vehicles and two (2) e-trikes; field visits; attended/conducted meetings/conferences; maintenance of buildings; release of scops owl in Balabag Wetland Park, and female Olive Ridley in Ilig-Iligan Beach; intensification of forest revenue; hauling of apprehended/sized undocumented forest product; hiring of 12 Forest Protection Officers/Boracay LAWIN patrollers under regular fund and additional six (6) FPOS under downloaded fund; monitoring and patrol activities in Manocmanoc, Balabag and Yapak; conduct of investigation on ENR violations and complaints (rockfall incident of the famous "Keyhole" rock formation and discharging of wastewater within 25+5 m beach easement); and monitoring, rescue, rehabilitation, tagging and release of marine turtle habitat including CEPA activities.





CENRO Boracay—Conservation Exhibit in Wetland 4 (Balabag Wetland Park) on April 28-30, 2023



CENRO Boracay—Rescue of scops owl released on May 26, 2023 in Wetland No. 2 (Balabag Wetland Park)



CENRO Boracay—Clean-up activity as part of World Environment Day Celebration on June 5, 2023



CENRO Boracay—Rehabilitation and reforestation of Wetland No. 6 in line with the celebration of Arbor Day

Under the continuing fund the following activities were conducted: Multi-Sectoral Forest Protection Committee (MFPC) meeting; capacity building; and mobilization of Wildlife Enforcement Officers. Their activities on downloaded funds include: monitoring of 25+5 m beach easement; and monitoring of 30-m road easement; monitoring of forestland/wetland.

Other activities were quarterly monitoring of DENR pontoon; maintenance of watercraft/seacraft; maintenance of turned-over wetlands; conduct of wetland clean-up every Friday dubbed as “Wetland Fridate”; bat watching, spelunking, underwater/coastal clean up, reef assessment and seagrass assessment; and river clean-up in Nabaoy River with MFPC member.

Boracay Island ...



CENRO Boracay—Clean-up in Wetland No. 4



CENRO Boracay—“Fridate” coastal clean-up



CENRO Boracay—International Coastal Clean-up



CENRO Boracay—Potting activity in Wetland No. 2



CENRO Boracay—Rehabilitation of Wetland Np. 6



Mines and Geosciences Bureau Activities

For CY 2023, 76 personnel collectively carried out the various mining-related activities. Of the total workforce, 41 regular personnel, nine (9) CTI, and 26 CoS. The total allotment was Php 65,085,329.07 to fund the different activities of the region.

001: Natural Resources Sustainable Managed

Issuance of mining contacts/permits and other related permits

One (1) Industrial Sand and Gravel Permit (Krushrock Corporation) and three (3) Mineral Processing Permits were issued (Blue Chip Builders, Inc., Roprim Construction, and MRCT Sand and Gravel). Thirty (30) Ore Transport Permit/Certifications were issued to firms and individuals. One thirty eight (138) Certificate of Accreditation and there (3) Certificate of Exemption were issued under Other mining-related permits [Accreditation/Certificate of Environmental Compliance and Community Relations Record (CEMCRR)].

Use it or Lose It Policy

Under this activity, eight (8) mining applications were approved with final action and reviewed 45 permits.

Safety, Health Environment and Social Development (SHES) Programs

Eight (8) Environmental Protection and Enhancement Program (EPEP) with Final Action were endorsed and approved; approved eight (8) annual EPEP with notice of fines; approved five (5) care and maintenance program (CMP); approved five (5) social development and management program (SDMP); approved 23 annual SDMP; and approved 30 Annual Safety and Health Program (ASHP) for the 1st semester.



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Development of Small-Scale Mining - Assistance to Provincial/City Mining Regulatory Board (P/CMRB)/ LGUs/ Other Stakeholders

Six (6) provinces in Western Visayas were inventoried under Inventory of Peoples Small-Scale Mining (PSSM)/MinahangBayan(MB) Areas, and Quarry/Sand and Gravel (SAG)/Small-Scale Mining (SSM) Sites and 54 meetings were conducted.

Mining Industry Development Program

Forty-five (45) permits were monitored for their compliance with their work programs as part of Monitoring/Audit of Mining Permits/Contracts/Leases/Claims/JOAs (including those within Mineral Reservations) as to compliance with the Terms and Conditions/Requirements and implementation of approved Tenement and Safety, Health, Environmental and Social Development Programs (TSHES), while 44 permits were monitored on their compliance with SHES programs.



Field verification of the EPEP/FMRDP of Blue Chip Builders, Inc. in Brgy. Dinginan, Roxas City, Capiz in relation to their application for renewal of their Mineral Processing Permit



TSHES monitoring by personnel of the Mine Management and Mine Safety, Environment, and Safety Development Divisions of Semirara Mining and Power Corporation in Caluya Island, Antique



Resolution Complaints/Cases/Conflicts

Eight (8) complaints were investigated on the following: alleged illegal quarrying in Purok Baybay, Brgy. Bacjao, Buenavista, Guimaras; alleged illegal trading of sand and gravel in Buenavista, Guimaras; Iloilo illegal quarry operations in the Cabatuan, Iloilo; alleged illegal activity of black sand extraction in Sitio Looc, Brgy. Old Sagay, Sagay City, Negros Occidental; alleged illegal quarry operations in Bugason Antique; alleged illegal quarrying activities in Brgy. Minanga, Dueñas, Iloilo; alleged excavation conducted in the household of Ms. Juvy Joy Ong in Brgy. Lincud, Dingle, Iloilo; and alleged illegal extraction of sand and gravel in Brgy. Toyungan, Calinog, Iloilo.

In pursuit of anti-illegal mining, two (2) Cease and Desist Orders (CDOs) were issued for violation against the terms and conditions of the Certificate of Accreditation—misdeclared entries in the delivery receipts in Brgy. Libot, Calinog, Iloilo and provisions of ECC Brgy. Pasil, EB Magalona, Negros Occidental. Two (2) Release Orders were issued for the release of two (2) dump trucks. One (1) case was filed for violation of Section 103, RA 7942— Theft of Minerals.

Communication Plan for Mineral Development

To bring awareness on mining related concerns, one (1) stakeholders forum was conducted, seven (7) radio/TV guestings; 24 articles released to media; and 25 articles posted on the website and social media.

Twelve (12) maps along with their 12 corresponding databases were submitted—Tenement Map; Map Info/ArcGIS Database; Tenement Map; Map Info/ArcGIS Database; Tenement Map; Map Info/ArcGIS Database; Tenement Map; Map Info/ArcGIS Database; Tenement Map; Map Info/ArcGIS Database; Tenement Map; and Map Info/ArcGIS Database.

One (1) Learning Event on Best Practices on the Establishment of Communal Bamboo Plantations by Mining Permit Holders was conducted to LGUs-Aklan, Antique, Iloilo, and



Guimaras, PENRO Aklan People's Organization - Peace Agreement Interbarangay Project Organizations (PAIPO) People's Organization - Peace Agreement Interbarangay Project Organizations (PAIPO) in Brgy. Monlague, Ibajay, Aklan. Two (2) trainings were facilitated with small-scale miners, Application Process for Various MGB-Issued Permits and Common Violations, and Safety Seminar/Workshop Design for the Employees and Staff of the ISAG Permit (LGU-Issued) of Mr. Emmanuel V. Sabay, Jr. located in Brgys. Hilamonan and Orong, Kabankalan City, Negros Occidental.

Geologic Quadrangle Mapping

In an effort to update and digitize existing geologic quadrangle maps, quadrangles that had been assessed from as early as the 1980s were updated. Two (2) existing quadrangles were updated located in Iloilo City, San Miguel, Oton, Alimodian, Leon, Tigbauan, Pavia, Sta. Barbara, Leganes, and Zarraga, and Buenavista, Guimaras for Iloilo City Quadrangle (3552-III); and Dumangas, Iloilo and Buenavista, Guimaras for Dumangas Quadrangle (3552-II).

OO3: Adaptive Capacities of Human Communities and Natural Systems Improved

Four (4) municipalities composed of 54 barangays were given advisories geohazard maps

Table 11. Barangays Issued with Advisory, CY 2023

Municipality, Province	Number of Barangays
1 Valderrama, Antique	22
2 Don Salvador Benedicto, Negros Occidental	7
3 Sapián, Capiz	10
4 Buruanga, Aklan	15



Sandy portion of Leganes Integrated Katunggan Ecopark, a mangrove forest development along the coastline facing the Guimaras Strait in Leganes, Iloilo. Shown here is a seawall buried in sand due to deposition probably by wave actions. T-fences were also installed in the eco-park. These are bamboo structures designed to trap sand to encourage coastal accretion. Locals reported that flooding due to high tides occasionally occur in the area, which primarily affects Purok 5 of Brgy. Gua-an. Storm surges due to strong typhoons, such as Paeng, caused damages to

are updated simultaneously with the conduct of Vulnerability Risk Assessment (VRA).

Coastal Geohazard and Impact of Climate Change

Eight (8) municipalities were assessed and mapped on coastal geohazard for the purpose of providing information and giving of appropriate recommendations relative to the sea level rise due to global warming. These municipalities were Leganes, Iloilo, Zarraga, Iloilo, Pulpandan, Negros Occidental, Barotac Nuevo, Iloilo, Dumangas, Iloilo, Barotac Viejo, Iloilo Concepcion, Iloilo, and Banate, Iloilo.

Miscellaneous Geologic Services

Technical assistance is available to the public through the issuance of geohazard certifications for government projects such as schools, health centers, roads, and the like. Geohazard surveys and sanitary landfill site assessments are likewise provided to requesting parties.

Gender and Development (GAD)

The annual allotment of Gender and Development for CY 2023 was Php 85,136,000.00 used to fund the various activities. Highlighting the program was the conduct of National

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Women's Month 2023 in March, One billion Rising Dance performance in February, 18-Day Campaign to End Violence Against (EVAW) on November 25 to December 12, 2023; Gender and Sensitivity Training to new entrants; Regional GAD Quarterly meetings; and GAD Orientation and GST to Office Managers and Supervisors.

Moreover, the Regional Office maintains the GAD Day Care Center cum Women Center and Lactation Station. All offices maintained and updated GAD Corner where GAD-related information have been posted. These offices also established and maintained Lactation Station with facilities to provide a comfortable a space to lactating mothers who are personnel and have transactions with the office.

In line with celebration of National Women's Month, different activities were conducted by the regional and field offices. These include simultaneous Opening Program 2023 National Women's Month Celebration on March 1, 2023; GAD Quiz Contest on March 17, 2023; GAD Talk Show on March 27, 2023; Orientation in the Preparation of Powerpoint Presentation of Field Offices; Serbisyo Para Kay Juana; Girl-Child Week cum Family Day; TiendaGADcitas; NWMC Photo Booth; Changing of Facebook Profile Picture Frame Campaign for 2023 NWMC; Purple Wednesdays; One Billion Rising Virtual Dance Kick Off; #JuanaSays; Alay ni Juana Para sa Kapaligiran at Kapwa: A Day for Mangrove Planting by Women Leaders; Alay nina Juana at Juan Para sa Kapaligiran at Kapwa: Friday Seedling Production; Purple



Simultaneous launching of the 2023 National Women's Month Celebration on March 1, 2023





PENRO Aklan



PENRO Antique



PENRO Capiz

Your Area Contest; and 2023 National Womens' Month Culmination Program.

Some personnel attended GAD related activities conducted by partner institutions, i.e. Orientation on Gender Equality, Disability and Social Inclusion (GEDSI) in Climate Change; Gender Equality and Women's Empowerment Framework is the GEDSI-related commitment on Environment and Climate Change; Provincial Launching of Women's Month Celebration; Forum for Women in the Public Sector; and Public Forum on Health and Wellness: Taking care of our Bones.

Another significant event for CY 2023 was the change of leadership of GAD after two (2) decades. On November 13, 2023, the newly-elected Officers and Committees of Regional GAD Focal Point System (GADFPS) took their oath at the DENR Courtyard.



Guests for the Talk Show - Planning Officers, Differently-abled and IT experts of the Region





PENRO Negros Occidental—Bagging activity



PENRO Aklan—Drawing activity at Bakhawan Natural Study and Ecopark during Girl-Child Week cum Family Day on March 25, 2023



PENRO Antique—Personnel join in the launching of NWMC 2023 of the province of Antique



Regional Office—Dr. Barbie Badayos– Jover discuss GAD related topics during the GAD Orientation and GST with Senior Officials of DENR Region 6 on October 9-10, 2023 at Smallville 21 Hotel, Iloilo City



Newly elected Officers and Committees of Regional GADFPS inducted into office by RED Livino B. Duran on November 13, 2023. The new GAD Regional Chairperson is Forester June Melissa C. Garol, Chief of the Enforcement Division

