

BANTAY BUKID 1ST QUARTER REPORT (JAN-MARCH 2019)



Panigan-Tamugan Watershed Volunteers

From 2018, our 60 Bantay Bukid volunteers in Panigan-Tamugan watershed underwent a series of assessments for the renewal of their service for the City Government this January – June 2019. Fifty seven (57) volunteers renewed their commitment while three did not renew due to full-time employment opportunities. Fourteen (14) additional volunteers were recommended by the Bantay Bukid Farmers' Association (BABUFA) to join the group. We now have a total of seventy one (71) Bantay Bukid volunteers for this semester divided into two clusters: Cluster 1 covering Brgy. Tawantawan (subclusters for Sitio Ubay-Nanap, Gading, Panigan, and Sumpitan) and Cluster 2 covering Brgys. Tambobong, Tamugan, Gumalang, Wines and Carmen. These volunteers joined the Bantay Bukid Panagtagbo or General Assembly last February 15, 2019 at Almendras Gym,

Davao City to formally renew their oath of commitment to serve the City Government of Davao City.

Highlights for the Quarter

Our Bantay Bukid volunteers conducted biodiversity monitoring, with an increase in the number of species recorded compared to last quarter's patrol. They planted over 800 seedlings in our riverbanks and monitored previously planted areas to replace seedling mortality due to El Nino. They also continued protecting our river waters from waste pollution, collecting up to 110 kilos of garbage from 4 clean-up drives. Our volunteers likewise committed to help in the monitoring of the reported Tabak – Kalatong illegal entry, occupation and poaching in the ancestral domain of the Obu-Manuvu, Brgy. Carmen.

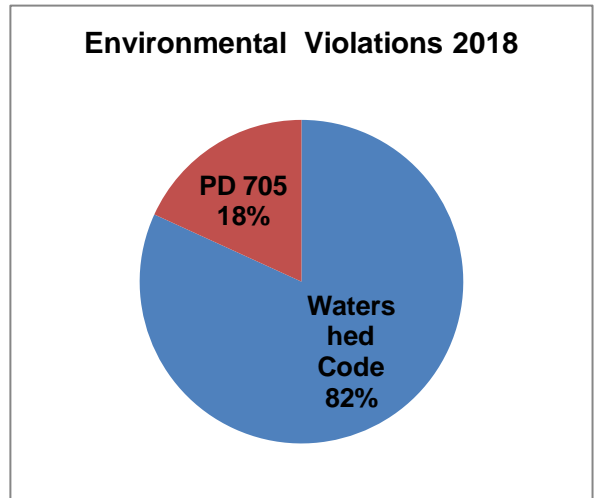
This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.



I. ENFORCEMENT OF ENVIRONMENTAL LAWS

In 2018, 11 environmental law violations were monitored, documented and reported by our Bantay Bukid volunteers. Majority of these were violations of the City's Watershed Code which include illegal poultry, illegal quarry, illegal fishing, and improper water waste disposal of plantations operating within watershed areas. Two cases of illegal cutting of trees and illegal use of chainsaw were also reported in violation of PD 705 Forestry Code.

Massive illegal logging and clearing operations were reported in nearby barangays of Carmen and Sibulan late last year and caused major concern for all Bantay Bukid volunteers during their Panagtagbo in February. For Panigan-Tamugan watershed covered barangays, our Bantay Bukid volunteers conduct regular patrols of their covered areas, with one incident of illegal fishing violating the City's Watershed Code reported in March. was documented during the first quarter of the year.



Our volunteers committed to help in the monitoring of the reported illegal entry and poaching in Tabak-Kalatong area, part of the Obu-Manuvu ancestral domain and lies at the border of the CBFM area which our volunteers monitor and protect. While the WMC passed resolution to establish check point in Brgy. Carmen with the help/ assistance of the Barangay Tanod of Carmen, Bantay Bukid, Philippine National Police – Baguio District and 3rd Infantry Battalion, the DENR Region XI – Community Environment Natural Resources Office have yet to report the results of their field inspection and administrative hearing on the alleged suspects who invited outsiders to enter the area.

II. BIODIVERSITY MONITORING

For the first quarter of the year, our Bantay Bukid facilitated the tree planting activities of students from two schools, Holy Cross College of Calinan and Ateneo de Davao University. They served as guides of the students in going down to the riverbank planting site and taught the students in the proper way of planting seedlings. A total of 843 malibago hills were planted in Panigan riverbank in Brgy. Tawantawan. A new nursery was constructed in Brgy. Gumalang with 3,000 bags of malibago ready for the tree planting commitment of UNIFRUTTI and Brgy. Gumalang to rehabilitate Gumalang riverbank. With the drying season coming up and the initial onslaught of El Nino, our Bantay Bukid volunteers conducted a total of 10 monitoring activities to replace seedling mortalities and ensure seedling survival. Group foot patrols to monitor and conduct species inventory were also conducted last March which recorded increased number of species compared to previous monitoring conducted in November 2018.

This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.

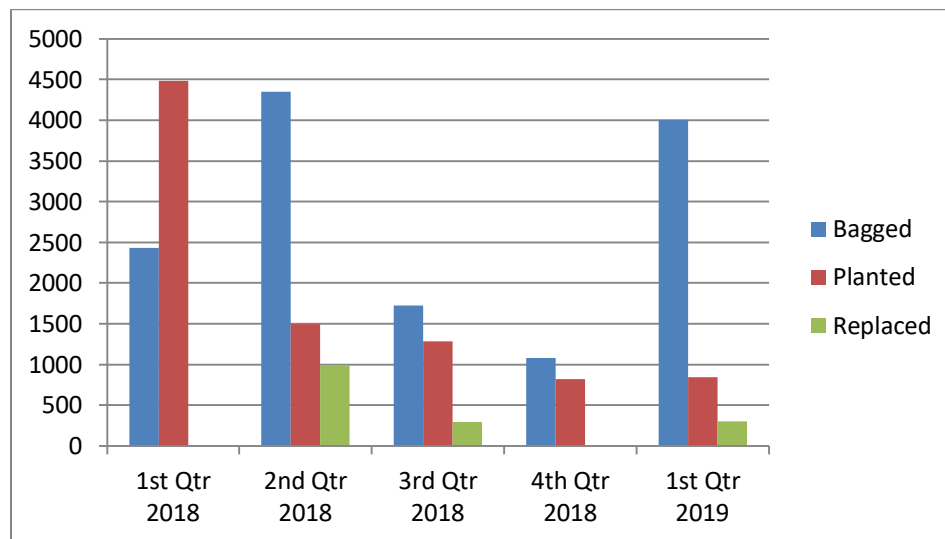


A. Reforestation Activities

Month	Seedling Preparation		Tree Planting		Monitoring	
	Establishment / Maintenance of Nursery	Bagging of Seedlings	No. & Type of Species	Location	Brushing and Clearing	Replacement of Seedling Mortality
January	-	-	693 hills malibago*	Panigan riverbank, Brgy. Tawantawan	6 activities (Cluster 1&2)	-
February	1 new nursery (Purok 8, Brgy. Gumalang)	3,000 bags eady for planting	150 hills of malibago**	Panigan riverbank, Brgy. Tawantawan	4 activities (Cluster 1&2)	50 hills replacement for 15 malibago mortality 250 hills replacement
March	Continued construction of 1 new nursery in Purok 8, Brgy. Gumalang Rehabilitation of central nursery in Purok Bagong Lipunan, Brgy. Tawantawan	1,000 bags ready for planting Re-bagging of seedlings	-	-	4 in monitoring of planted trees and 4 in round weeding activities (Cluster 1 & 2)	-

*In partnership with Holy Cross College of Calinan students

**In partnership with Ateneo de Davao University students



Continued riparian reforestation. While planting remains consistent, volunteers replaced seedling mortality due to dry weather conditions and prepared sufficient amount of seedlings ready for planting.

This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.



B. Biodiversity Monitoring

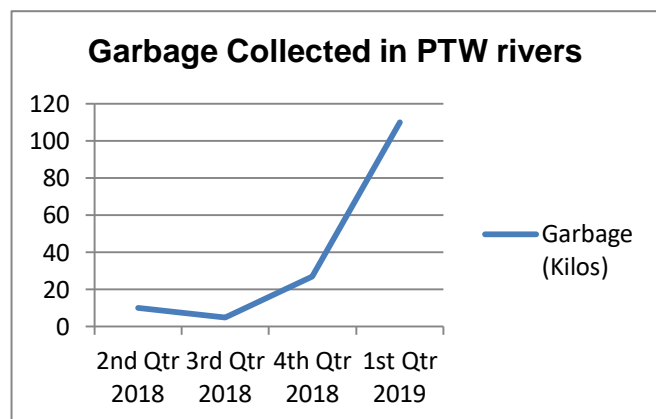
Bantay Bukid volunteer in Panigan – Tamugan watershed conducted their foot patrol for a species inventory in Mt. Tipolog reaching up to 1,100 masl. Records show sixty six (66) species of trees and plants, forty (40) species of mammals, five (5) species of birds, one (1) species of amphibians identified and listed using their local terms.

	4 th Quarter 2018	1 st Quarter 2019	Variance (New Sightings)
Flora (Trees / Plants)	26	66	40
Fauna (Birds)	18	40	22
Fauna (Mammals)	2	2	0
Fauna (Amphibians)	2	2	0

Fauna (Birds)	Fauna (Mammals)	Fauna (Amphibians)
<i>Tamsi, Tagsinsya, Kusi, Pirok-pirok, Tag-maya, Maya, Banog, Sayaw, Tolabong, Pukpuk, Ungik, Alimukon, Tingkarol, Kudsik, It-it, Kutiyo, Simal-Ion, Manatad, Karat, Tikling, Kiyaw, Agela, Kalaw, Sal-ing, Uwak, Tabili, Kadidit, Manhak, Ukkang, Cocok, Tamsi, Uwak, Pirok-pirok, Sayaw, Tingkarol, Alimukon, Katiyo, Punay, Pukpuk, and Manhak</i>	<i>Milo, Baboy Halas</i>	<i>Baki Scorpion*</i>
Flora (Trees and Plants)		
<i>Anitap, Balite, Odjok, Bakan, Lumbang, Hanagdong, Eye-eye, Tipolo, Pacirit, Lawaan, Alinsuwang, Dapdap, Anotong, Tanguili, Nato, Kamagong, Uwayan, Uway, Deta, Taglibas, Wakang, Mata-mata, Sagimsim, Apitong, Epikasin, Tubog, Ulingon, Bayanti, Lubi-lubi, Patikan, Lati, Bangas, Agimet, Dipala, Urawo, Pine Tree, Buha, Hagonoy, Da'at, Binuang, Manili, Danggas, Bagtikan, Almond, Karingag, Hanbabaud, Almasiga, Bacikong, Fire Tree, Hanagdong, Ahaa, Tobog, Kapayaw, Dao, Cidar, Alingatong, Aha, Narra, Bakkaban, Anotong, Magamil, Anatong, Talipaso, Alinsuwang, Binuang and Narik</i>		

III. RIVER MONITORING

Last year, our Bantay Bukid volunteers conducted 25 clean-up drives in Panigan-Tamugan riverbanks with an estimated 43 kilos of garbage collected both from household use and from plastics from banana plantations. This quarter, the amount of garbage collected more than doubled with 110 kilos. This calls for the urgent action from the CENRO to properly dispose the non-biodegradable waste collected by our volunteers. At the same time, BLGUs need to help and support the IEC drives of our volunteers as well as set up materials recovery



This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.



facility or a similar strategy for local communities to dispose their waste properly. The BLGU of Tawantawan reported to have revived the IEC on solid waste management during purok meetings.

The water quality in Panigan-Tamugan river remains to be of high quality Class A based on the community-based water monitoring measuring basic parameters such as pH level, streamflow discharge, nitrate, phosphate, dissolved oxygen, turbidity and macro invertebrates.

A. River Clean-Up

Month	River	Amount of Garbage Collected	Type of Garbage Collected
January	Panigan-Tamugan riverbank (Purok Lawis, Brgy. Gumalang to Purok Pangpang, Brgy. Wines)	30 kilos	Cellophane, shampoo sachets, and plastics from banana plantations
February	Panigan-Tamugan riverbank (Purok Pag-asa, Brgy. Tawantawan to Purok Lawis, Brgy. Gumalang)	40 kilos	Household waste including diapers, cans from sardines, shampoo sachets
March	Panigan-Tamugan riverbank (Purok Pag-asa, Brgy. Tawantawan to Purok Lawis, Brgy. Gumalang)	40 kilos	Candy wrappers, diapers, noodles, cans, liquor bottle, slippers, plastic sachets of shampoo, detergent soaps and rags/clothing

B. River Monitoring

Month	River	Water Quality Results
January	Panigan-Tamugan River Junction	Class A which means that the river is good for public Water Supply Class II. For sources of water supply that will require complete treatment in order to meet the NSDW.
February	Panigan-Tamugan River Junction	Class A which means that the river is good for public Water Supply Class II. For sources of water supply that will require complete treatment in order to meet the NSDW.
March	Panigan-Tamugan River Junction	Class A which means that the river is good for public Water Supply Class II. For sources of water supply that will require complete treatment in order to meet the NSDW.

IV. ORGANIZATIONAL AND COMMUNITY ACTIVITIES

Activity	No. of Activities	Accomplishment
Organizational Activities	7	(6) Monthly Meetings for regular updating on different activities, issues and concerns and action points to protect the watershed. (1) Bantay Bukid General Assembly / Annual Panagtagbo on February 15, 2019 where they renewed their oath of commitment to carry out their duties as frontliners in safeguarding the Davao City's watersheds.
LGU/Community Activities	8	(6) BLGU Flag Ceremony for updating on BLGU activities (2) Bayanihan activities where Bantay Bukid volunteers helped in clearing foot trails used by students, teachers, farmers and community members at Sitio Sumpitan and Macatabo Elementary

This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.



Activity	No. of Activities	Accomplishment
		School in Brgy. Tawantawan as well as in local efforts to facilitate the water supply from Brgy. Carmen to Brgy. Tawantawan.
Participation to CSO events	4	<p>(1) Panigan - Tamugan Integrated Watershed Management Planning three volunteers participated in the first planning session where they shared their roles and tasks along with challenges encountered and support needed for regular monitoring of watershed areas.</p> <p>(2) NGO Events:</p> <ul style="list-style-type: none"> • IDIS Anniversary: Two (2) Bantayo Aweg and One (1) Bantay Bukid joined the 20th Anniversary celebration of IDIS to express their gratitude to the organization for helping and assisting them in the protection of Panigan – Tamugan Watershed since 2012. • CSO illegal garbage send off back to Korea: sharing the belief that the Philippines is not a dump site, three (3) Bantayo Aweg volunteers participated in the send-off of 51 containers back to South Korea from Mindanao International Cípontainer in Tagoloan, Misamis Oriental. • Zero Waste Month: Bantay Bukid and Bantayo Aweg volunteers participated in the three (3) day activity of Oya Davao in celebration of the Zero Waste Month where they showcased and sold bamboo straw products ás ecofriendly alternatives to plastic consumption of the city.

V. ISSUES AND CONCERNS

Concern	Government Agency
1. Establishment of materials recovery facility and garbage collection points	BLGUs CENRO
2. Strict implementation and monitoring of Solid Waste Management and other ordinances in watershed areas	WMC CENRO BLGU
3. Kalatong – Tabak tree poaching and illegal entry	NCIP DENR WMC

This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor’s Office, Public Safety and Security Command Center, and Watershed Management Council.



Prepared by:

REY ANTHONY A. SAPID

Bantay Bukid Coordinator

Reviewed by:

MARY ANN V. FUERTES

IDIS Managing Trustee

Noted by:

P/COL. ANGEL B. SUMAGAYSAY

Operations Officer, PSSCC

This project is being implemented by IDIS with the BantayBukid Volunteers in Panigan-Tamugan Watershed in coordination with the City Mayor's Office, Public Safety and Security Command Center, and Watershed Management Council.

