



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
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March 17, 2022

HON. FRANCES ANN B. PETILLA
Municipal Mayor
Palo, Leyte

ENVIRONMENTAL MANAGEMENT BUREAU
RELEASED BY:
DATE: 3/20/2022
TIME: 8:31am

Dear **Mayor Petilla**:

Warmest Greetings!

In line with the office program to conserve and protect the environment several programs have been made to ensure that our natural resources will be sustain. With that, the office is conducting monthly water quality monitoring in Binahaan River under Priority River Program

For your information, we are providing you herewith the monthly water quality monitoring results of Binahaan River.

Looking at the analysis result, the Fecal Coliform and some of the Total Suspended Solids exceed the DENR Standards for Class C waters.

With that, may we strongly recommend to prohibit directly discharging of untreated domestic and industrial wastewater into the river and implement proper waste disposal in the barangays along the Binahaan River.

Thank you very much for your support.

Very truly yours,

ENGR. REYNALDO B. BARRA
OIC-Regional Director

WATER QUALITY MONITORING RESULTS FROM JANUARY TO MARCH 2022
BINAHAAN RIVER

Parameter	Stn. No	Sampling Station/Identification	YEAR 2022			DENR STANDARDS
			Jan	Feb	Mar	
DO	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	7.00	7.53	6.92	5mg/L minimum
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	7.50	8.00	6.30	
	3	Midstream, Brgy. Benito, Dagami, Leyte	6.70	7.10	6.90	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	7.50	7.86	7.60	
TSS	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	18.00	75.00	130.00	80mg/L
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	20.00	33.00	114.00	
	3	Midstream, Brgy. Benito, Dagami, Leyte	21.00	35.00	113.00	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	11.00	13.00	25.00	
pH	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	7.90	7.90	6.35	6.5-9.0
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	7.70	7.70	5.85	
	3	Midstream, Brgy. Benito, Dagami, Leyte	8.00	8.00	6.84	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	7.80	7.80	7.13	
BOD	1	Mouth of Binahaan, San Joaquin, Palo, Leyte				7mg/L maximum
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	1.10	1.50	0.60	
	3	Midstream, Brgy. Benito, Dagami, Leyte	0.90	0.50	0.30	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	0.80	1.70	0.50	
Fecal Coliform	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	9200.00	2200.00	2300.00	200 MPN/100mL
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	5400.00	17000.00	7900.00	
	3	Midstream, Brgy. Benito, Dagami, Leyte	1300.00	1400.00	3300.00	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	460.00	680.00	180.00	
Temp	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	28.10	26.00	26.80	25-31 °C (b)
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	28.00	27.55	28.50	
	3	Midstream, Brgy. Benito, Dagami, Leyte	28.50	27.86	27.10	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	26.60	27.23	25.60	
Color	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	10.00	10.00		75 TCU
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	5.00	5.00		
	3	Midstream, Brgy. Benito, Dagami, Leyte	5.00	5.00		
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	5.00	5.00		
Nitrate	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	0.10	ND	0.15	7mgL
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	0.06	ND	0.16	
	3	Midstream, Brgy. Benito, Dagami, Leyte	0.06	0.13	0.20	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	0.10	0.22	0.22	
Phosphate	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	0.00	0.00	0.11	0.5mgL
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	0.00	0.00	0.05	
	3	Midstream, Brgy. Benito, Dagami, Leyte	0.00	0.00	0.07	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	0.00	0.00	0.03	
Chloride	1	Mouth of Binahaan, San Joaquin, Palo, Leyte	6.95	8.38	4.44	350mgL
	2	Downstream, Brgy. Rose Martirez, Dagami, Leyte	2.03	2.14	3.36	
	3	Midstream, Brgy. Benito, Dagami, Leyte	1.70	8.61	2.78	
	4	Upstream, Brgy. Tingib, Pastrana, Leyte	2.09	7.30	3.18	