



Republic of the Philippines  
**Department of Environment and Natural Resources**  
**ENVIRONMENTAL MANAGEMENT BUREAU**  
Cordillera Administrative Region  
Baguio City

*Excerpts from the Balili River WQMA Governing Board Special Meeting held on March 20, 2018 at Fortune Restaurant, Otek Street, Baguio City*

**BALILI RIVER SYSTEM WATER QUALITY MANAGEMENT AREA (BR-WQMA)  
GOVERNING BOARD**

**RESOLUTION NO. 24, s. 2018**

**RESOLUTION APPROVING THE 2018 ACTION PLAN OF THE BALILI RIVER WQMA**

**WHEREAS**, DAO 2013-05 designated the Balili River as Water Quality Management Area and created its Governing Board;

**WHEREAS**, the Technical Working Group (TWG) convened on February 01, 2018 updated the 2018 Action Plan of the Balili River WQMA;

**WHEREAS**, the 2018 Action Plan was based on the Ten Year Action Plan as per Resolution No.18 s. 2016;

**WHEREAS**, consistent with the objectives of the Balili River WQMA and the rules and regulations, the TWG undertakes the completion of the 2018 Action Plan for approval of the Balili River WQMA Governing Board and to be implemented immediately after its approval;

**WHEREAS**, after the presentation of the 2018 Action Plan, the Balili River WQMA Governing Board has found the same to be in order and feasible for implementation.


**NOW THEREFORE**, on motion duly seconded, BE IT:

**RESOLVED**, as it is hereby resolved that the 2018 Action Plan of the Balili River WQMA is hereby approved with a funding requirement of One Million Pesos Only (Php 1,000,000.00);

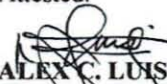
**RESOLVED FURTHER**, that a copy of this resolution be furnished to the Honorable Mayor Mauricio G. Domogan of Baguio City, Honorable Mayor Romeo K. Salda of La Trinidad, Benguet and Honorable Mayor Arthur Baldo of Sablan, Benguet for their information and consideration; the Honorable Roy A. Cimatu of the Department of Environment and Natural Resources, Director Metodio L. Turbella of the Environmental Management Bureau for their information.

**UNANIMOUSLY CARRIED** this 20<sup>th</sup> day of March 2018 in Baguio City.

CERTIFIED TRUE AND CORRECT:

  
**WILHELMINA O. LAGUNILLA**  
Member, Technical Administrative Secretariat  
Balili River WQMA

Attested:

  
**ALEX C. LUIS**  
Chairperson, Technical Administrative Secretariat  
Balili River WQMA

Approved:

  
**REYNALDO S. DIGAMO**  
Chairperson, Balili River WQMA  
Governing Board & OIC, Regional Director  
EMB - CAR

*Protect the Environment..... Protect Life.....*

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Local No. 12 - Clearance and Permitting Division; Local No. 15 - Environmental Monitoring and Enforcement Division;  
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### CY 2018 ACTION PLAN FOR BALILI RIVER WATER QUALITY MANAGEMENT AREA

Threats and Issues	Causes	Activities/Strategies	Program Implementation	Budgetary Requirements	Month												Output/Outcome	Person/Agency Responsible	Remarks
					J	F	M	A	M	J	J	A	S	O	N	D			
Objective 1. To decrease erosion & siltation and improve vegetation along the Balili River.																			
Erosion & Siltation	Human Activities	Planting Trees & other erosion-preventing plants along the river banks	Tree planting activities (Possible areas along La Trinidad & Sablan), Based on research on the appropriate tree species to be conducted by WWRRC	50,000.00												Minimized flooding using bamboos & other plants thriving along the river banks	BSU & WWRRC, Governing Board members in La Trinidad & Sablan (1 km of both sides)	June 25, 2018 (Arbor Day)	
																			Erosion Minimized
	Scouring of the river banks	1. Dredging and de-silting activities	Identification of areas to be dredge & possible funding												Improved navigability of the river	DPWH-CAR BCDEO/LGU Baguio	c/o DDPWH-CAR/BCDEO		
	Building of illegal structures (houses, etc.)	2. Strict implementation of the easement law	Inventory of researches done at BSU													BSU & WWRRC, Governing Board members	c/o BSU		
	Lack of plants along the river banks	3. Revisit previous actions	Phytoremediation & related researches	150,000.00												BSU & WWRRC, Governing Board members			
			Balili River Park & Flood Control Project	200,000,000												Stabilized river slope	DPWH-CAR/BCDEO/Benguet	DPWH Budget	
			Restoration/Rehabilitation of Balili River Flood Control along Balili River, La Trinidad, Benguet	94,170,000												Stabilized river embankment	DPWH-CAR/BCDEO/Benguet	Proposed project for 2018 (DPWH Budget)	
			Construction of Flood Mitigation Structure Along Naguilian River Basin, Balili River Section, La Trinidad, Benguet(on-going activity)	47,500,000												Stabilized river embankment	Baguio City/Benguet District Engineering Office	on going project (DPWH Budget)	
Objective 2. To restore the river's biodiversity.																			
Loss of Biodiversity	Indiscriminate dumping of wastes	Inventory of Flora & Fauna	Conduct Inventory of flora and fauna													Increased biodiversity to support ecological balance	BSU & WWRRC, Governing Board members		
	Sediment Build up	Implementation of Biodiversity conservation & management activities	Propagation & introduction of flora & fauna based on the recommendation of WWRRC															Refer to Objective 3	
	Pollution	IEC	Desilting, soft & hand approach																
	Destruction of natural habitat	Propagation of appropriate aquatic plants & animals through research																	



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Objective 3. To reduce/prevent discharging of solid, liquid & hazardous wastes into Balili River																				
Pollution	Indiscriminate dumping & discharging of solid, liquid & hazardous wastes	Regular river clean ups	Adopt an Estero/Waterbody Program														Cleaner Balili River water	Governing Board, stakeholders, EMB CAR	continuous	
		Establishment of Database	Adopt an Estero/Waterbody Program, continuous activity														Reduced volume of garbage	EMB-CAR/All LGUs, BENECO	continuous	
			Reduce volume of garbage along Balili River during river clean up done quarterly															continuous		
		Strict implementation of national & local ordinances & issuing of NOV, imposition of fine & filing of cases	Number of illegal wastes disposal issued, number of compliance														Improved water quality (decreased BOD/increased DO)	LGUs concern	on going, c/o LGUs	
		Policing by respective barangays traversed by the river	Development of programs and activities to strengthen the implementation of RA 9003														All LGUs have their ESWM system operationalized (i.e. segregation, recycling, composting, MRFs, sanitary landfill and/or appropriate technologies for residual management, etc.)	Baguio City, La Trinidad, Sablan, EMB - CAR		
		Compliance of LGUs through continuous technical assistance & financial assistance																		
		Enforcement of regulations and monitoring activities by concerned offices/agencies, ENMOs to focus on SWM																		
		Create River Marshall & include the provisions of PPEs																		
					50,000													Commercial Establishments shall have adequate & acceptable waste management practices		
			To ensure that all households/buildings are connected to appropriate waste disposal facility or put-up their own STP																	
	Monitoring from households, Industries, commercial establishment/health institutions, projects, etc (discharge permits, registered HWGs, ECCs, etc)	Implementation of Environment Code of Baguio City, CLUP for La Trinidad, Env't Code of Sablan															LGUs	LGU Baguio City implementation		
Wastewater Wastes	Direct discharge of black & grey water from the Baguio City Market, slaughterhouse, households, laundry shops & carwash	Survey on types of toilets used, septic tanks, etc.	STP for Public market & slaughterhouse (Baguio City)														All households have adequate waste disposal facilities (e.g. septic tanks)	LGU - Baguio City	LGU-Baguio City	
		Implementation of septic tank standard design	Updates for La Trinidad/BSU on their STP															LGU - La Trinidad & BSU	For discussion	
		Implementation of periodic disludging of septic tanks	Baguio City - septage facility															LGU - Baguio City	LGU Baguio City	




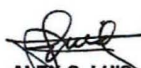
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Objective 4. To strictly implement ordinances on the dumping of animal wastes & farm residues																			
Agricultural Wastes	Farm residues, backyard piggery, poultry wastes dumped into the river	Enact ordinance prohibiting/regulating backyard piggery in highly populated	Survey of backyard piggery along the Balili River													Reduced dumping of agricultural, animal wastes	All LGUs	LGU La Trinidad & Sablan	
		Provision of technical assistance through trainings, seminar & workshops	Capability Building through site visit at Iloilo River WQMA	450,000.00													EMB CAR to take care of documents, scheduled on October 2018		
		Regular River Clean Ups															continuous		
		Conduct of regular monitoring & evaluation activities															continuous		
		Adoption of appropriate technologies	List of appropriate technology for review														DOST	c/o DOST	
Objective 5. To strengthen the strict enforcement of national and local laws.																			
Governance	Change in Leadership	Conduct of field exposures & skills training for potential leaders in the community	Site visit of the BIOCHAR technology at Botolan, Zambales													Existing laws and ordinances localized & implemented	All LGUs	same as above	
	No permanent position for MENROs	Provide Training/Create Task Force		50,000.00												New enabling policies & ordinances crafted	All LGUs		
		Create position for MENROs																	
	Passive attitude & behavior	Conduct of behavioral changes workshops		50,000.00												Increased participation in river protection & management	All LGUs		
		Conduct of Environmental For a		50,000.00															
		Development of IEC materials, signages		100,000.00												Strengthened education & advocacy campaigns	All LGUs		
	Low public participation & involvement	Provision of Reward and/or penalty scheme														More opportunities created that will influence change in attitude & behavior	All LGUs		
	Enact New & Enabling policies & ordinances	Conduct orientation workshop for enactment of barangay ordinance														EMB-CAR/All LGUs	included in the behavioral change workshop		

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Objective 6. Designation of Attainment & Non-Attainment Areas																			
Water pollution	Wastewater pollution coming from domestic, industrial & commercial establishment	Conduct of Monitoring by the MSG to determine the attainment & non-attainment areas along the stretch of Balili River		50,000												Enhanced enforcement of local ordinances & national laws and improve water quality of Balili River	All LGUs, EMB & MSG		
			TOTAL	1,000,000.00															

Prepared by:  
For and in behalf of the TWG  
  
**WILHELMINA O. LAGUNILLA**  
Technical Administrative  
Secretariat Member

Reviewed by:  
  
**ALEX C. LUIS**  
Chairman, Balili River WQMA,  
Technical Administrative  
Secretariat  
Chief, EMED

Approved by:  
  
**REYNALDO S. DIGAMO**  
Chairperson, Balili River WQMA Governing Board  
OIC, Regional Director, EMB-CAR