



Republic of the Philippines
Department of Environment and Natural Resources
ENVIRONMENTAL MANAGEMENT BUREAU
Regional Office No. VIII



ENVIRONMENTAL MANAGEMENT BUREAU
RELEASED BY: *[Signature]*
DATE: 06/08/2022
TIME: 2:28pm

MEMORANDUM

FOR : **ENGR. WILLIAM P. CUÑADO**
Director
Environmental Management Bureau
DENR Compound, Visayas Avenue
Diliman, Quezon City

Attention : **Chief, Environmental Quality Division,**
Chief, Water Quality Management Section
Chief, Policy, Planning and Program Development Division

FROM : The OIC - Regional Director
EMB Region VIII
DENR Compound, Jones St., Brgy. II, Tacloban City, Leyte

SUBJECT : **SUBMISSION OF THE MONTHLY AMBIENT WATER**
QUALITY ASSESSMENT REPORT FOR MAY 2022

DATE : **June 7, 2022**

Respectfully submitting herewith the attached monthly Ambient Water Quality Assessment Report for May 2022.

For his information.

[Signature]
ENGR. REYNALDO B. BARRA

MONTHLY AMBIENT WATER QUALITY ASSESSMENT REPORT

I. PERIOD COVERED: May 2022

II. AMBIENT WATER PROGRAM COVERED:

A. Other Recreational Waters Monitored

1. Brgy. Malitbog Albuera, Leyte
2. Digyo Island Inopacan, Leyte
3. Blue Deep Resort Padre Burgos Southern, Leyte
4. Sogod Bay Scuba Resort Brgy. Lungsodaan Padre Burgos Southern, Leyte
5. Leyte Dive Resort Malitbog Southern, Leyte
6. Castle Resort Tangkaan Padre Burgos Southern, Leyte
7. Brgy. Tangnan Carigara, Leyte
8. Canigao Island, Matalom, Leyte
9. Amparaiso Beach Resort Macrohon Southern, Leyte
10. Kuting Reef Resort Macrohon Southern, Leyte
11. Brgy. San Pedro, McArthur, Leyte
12. Sambawan Island Maripipi, Biliran
13. Agta Beach Resort Almeria, Biliran

Priority Recreational Waters Monitored

1. Brgy. Sabang Daguitan, Dulag, Leyte
2. Brgy. San Jose, Dulag, Leyte
3. Kalanggaman Island, Palompon, Leyte
4. Brgy Bunga, Baybay City
5. Shydan Resort Dulag, Leyte
6. Balantak Falls, Basey, Samar

B. Priority Waterbodies

1. Canturing River
2. Binahaan River
3. Bao River

C. Other Waterbodies

1. Ormoc Bay
2. Matlang Bay
3. Dupong Bay
4. Camotes Sea

D. Adopt-an-Estero

1. Outside WQMA

- | | |
|---------------------|------------------------|
| 1. Balugo River | 9. Mahayahay Creek |
| 2. Bangon River | 10. Nula Tula Creek |
| 3. Barugohay River | 11. Pagbanganan River |
| 4. Burayan River | 12. Utlanan Creek |
| 5. Cambatista River | 13. Taluto Creek |
| 6. Diit River | 14. Victory River |
| 7. Kawayan Creek | 15. Guindapunan Creek |
| 8. MacArthur Creek | 16. Mangonbangon River |

2. Inside WQMA

- | | |
|-------------------|---------------------|
| 1. Bacan River | 7. Mahiao River |
| 2. Anilao River | 8. Canawagan River |
| 3. Malbasag River | 9. Bantigue Creek |
| 4. Panalian River | 10. Bilwang Creek |
| 5. Natubgan River | 11. Cabangcoy River |
| 6. Malitbog River | 12. Matlang River |
| | 13. Boac Creek |

III. A. WATER QUALITY MONITORING RESULTS

A. Priority/Other Recreational Waters

OTHER RECREATIONAL WATER					
NO.	SITE	May-22			
		Temp	DO	pH	Fecal
1	Brgy. Malitbog / Albuera, Leyte	29.98	7.88	7.12	33
2	Digyo Island Inopacan, Leyte Stn. 1	29.91	8.16	7.18	220
	Digyo Island Inopacan, Leyte Stn. 2	29.95	8.13	7.21	170
	Digyo Island Inopacan, Leyte Stn. 3	29.81	8.14	7.23	350
3	Blue Deep Resort Padre Burgos Southern, Leyte	29.67	7.82	7.88	11
4	Castle Resort Tangkaan Padre Burgos Southern, Leyte	29.69	8.11	7.79	<1.8
5	Sogod Bay Scuba Resort Brgy. Lungsodaan Padre Burgos Southern, Leyte	29.41	8.19	7.81	63
6	Leyte Dive Resort / Malitbog Southern, Leyte	29.88	7.88	8.11	79
7	Brgy. Tangnan / Carigara, Leyte	28.91	7.81	7.21	8
8	Canigao Island / Matalom, Leyte Stn. 1	30.12	8.13	7.28	49
	Canigao Island / Matalom, Leyte Stn. 2	30.16	8.16	7.29	4
	Canigao Island / Matalom, Leyte Stn. 3	30.14	8.12	7.31	170
9	Amparaiso Beach Resort / Macrohon, Sothern Leyte	29.81	8.19	8.11	2
10	Kuting Reef Resort (Stn. 1) / Macrohon, Sothern Leyte	28.83	7.91	8.16	130
	Kuting Reef Resort (Stn. 2) / Macrohon, Sothern Leyte	28.91	7.92	8.13	4.5
11	Brgy. San Pedro, McArthur, Leyte	28.99	7.96	8.12	70
12	Sambawan Island Manpipi, Biliran (Stn. 1)	29.96	8.12	7.99	<1.8
	Sambawan Island Manpipi, Biliran (Stn. 2)	29.91	8.14	7.93	<1.8
13	Agta Beach Resort / Almeria, Biliran	29.87	7.91	8.12	<1.8
PRIORITY RECREATIONAL WATER					
1	Brgy. Sabang Daguitan, Dulag, Leyte Stn. 1	29.23	7.12	7.66	49
	Brgy. Sabang Daguitan, Dulag, Leyte Stn. 2	29.27	7.15	7.93	33
	Brgy. Sabang Daguitan, Dulag, Leyte Stn. 3	29.38	7.17	7.69	79
2	Brgy. San Jose Stn. 1	29.77	7.42	7.77	33
	Brgy. San Jose Stn. 2	29.78	7.41	7.71	79
	Brgy. San Jose Stn. 3	29.78	7.52	7.82	31
3	Kalanggaman Island Palompon, Leyte Stn. 1	30.12	8.12	7.91	<1.8
	Kalanggaman Island Palompon, Leyte Stn. 2	30.11	8.16	7.93	<1.8
	Kalanggaman Island Palompon, Leyte Stn. 3	30.16	8.19	7.94	<1.8
4	Brgy. Bunga, Baybay City	29.11	7.91	7.81	22
5	Brgy. San Jose, Dulag, Leyte (ShyDans' stn. 1)	29.12	7.92	7.89	33
	Brgy. San Jose, Dulag, Leyte (ShyDans' stn. 2)	29.16	7.88	7.83	39
6	Balantak Falls Basey, Samar Stn. 1	27.91	8.31	7.91	170
	Balantak Falls Basey, Samar Stn. 2	27.92	8.32	8.12	130
	Balantak Falls Basey, Samar Stn. 3	27.95	8.29	8.16	23
	STANDARD	25-31	5	7.0-8.5	100

Remarks:

- Temp, Do and ph for the month of May are within the allowable limit for Priority/Other Recreational Waters per WQG. However, some bathing beaches monitored exceeded the standards for fecal coliform.

B. Priority Waterbody

Priority Waterbody											
NO.	SITE	May-22									
		DO	BOD	TSS	pH	Temp	Fecal Coli.	Color	Nitrate	Phosphate	Chloride
1	Binahaan River (stn. 1)	5.2	1.9	22	7.51	27.4	7000	5	0.14	0.06	5.18
	Binahaan River (stn. 2)	5.55	0.6	16	7.59	27.31	7000	5	0.07	0.044	3.81
	Binahaan River (stn. 3)	6.11	1	24	8	27.59	24000	5	0.08	0.04	4.01
	Binahaan River (stn. 4)	5.4	1.5	5	7.59	27.5	24000	5	0.07	0.037	4.39
2	Canturing River (stn. 1)	6.14	-	7.00	7.08	29.27	1600.00	5.00	0.29	0.04	605.38
	Canturing River (stn. 2)	5.80	0.80	11.00	7.19	27.30	1600.00	5.00	0.25	0.04	8.23
	Canturing River (stn. 3)	5.59	0.60	6.00	7.97	27.50	1600.00	5.00	0.29	0.04	6.58
	Canturing River (stn. 4)	-	-	-	-	-	-	-	-	-	-
3	Bao River (stn. 1)	5.11	0.50	15.00	7.12	27.00	16000.00	5.00	0.06	0.04	7.70
	Bao River (stn. 2)	5.00	ND	7.00	7.12	27.11	16000.00	5.00	0.03	0.00	7.90
	Bao River (stn. 3)	6.00	ND	8.00	7.28	26.30	280.00	5.00	0.04	0.04	7.91
	STANDARD	5mg/L	7mg/L	80	6.5-9.0	25-31	200MPN/100 mL	75	7	0.5	350

Remarks:

- DO, BOD, TSS, pH, Temp, Color, Nitrate and Phosphate for the month of May are within the allowable limit for Priority Waterbody per WQG. However, some chloride and fecal coliform results exceeded the standards.

D. Adopt-an-Estero

1. Outside WQMA

Adopted Esteros outside WQMA			
NO.	SITE	May-22	
		Dissolved Oxygen	Biochemical oxygen Demand
1	Taluto Creek Stn. 1	5.11	ND
	Taluto Creek Stn. 2	5.63	ND
2	Victory River Stn. 1	5.6	ND
	Victory River Stn. 2	5.03	ND
3	Barugohay River Stn.1	5.05	0.2
	Barugohay River Stn.2	5.12	ND
4	Bangon River Stn. 1	5.21	ND
	Bangon River Stn. 2	5.5	ND
5	Diit River Stn.1	5.14	ND
	Diit River Stn.2	5.01	ND
6	Nulatula Creek Stn.1	5.31	ND
	Nulatula Creek Stn.2	6.01	ND
7	Balugo River Stn.1	6.12	ND
	Balugo River Stn.2	6.51	ND
8	Utlanan Creek Stn.1	6.34	2
	Utlanan Creek Stn.2	6.28	0.6
9	Pagbanganan River Stn.1	6.01	1.4
	Pagbanganan River Stn.2	5.96	0.9
10	Mangonbangon River Stn.1	6.01	5.1
	Mangonbangon River Stn.2	6.54	5.7
	Mangonbangon River Stn.3	6.36	5.9
	STANDARD	5 mg/L	7 mg/L

Remarks:

- DO and BOD for the month of May are within the allowable limit for Adopted Esteros outside WQMA per WQG.

Adopt-an-Estero
2. Inside WQMA

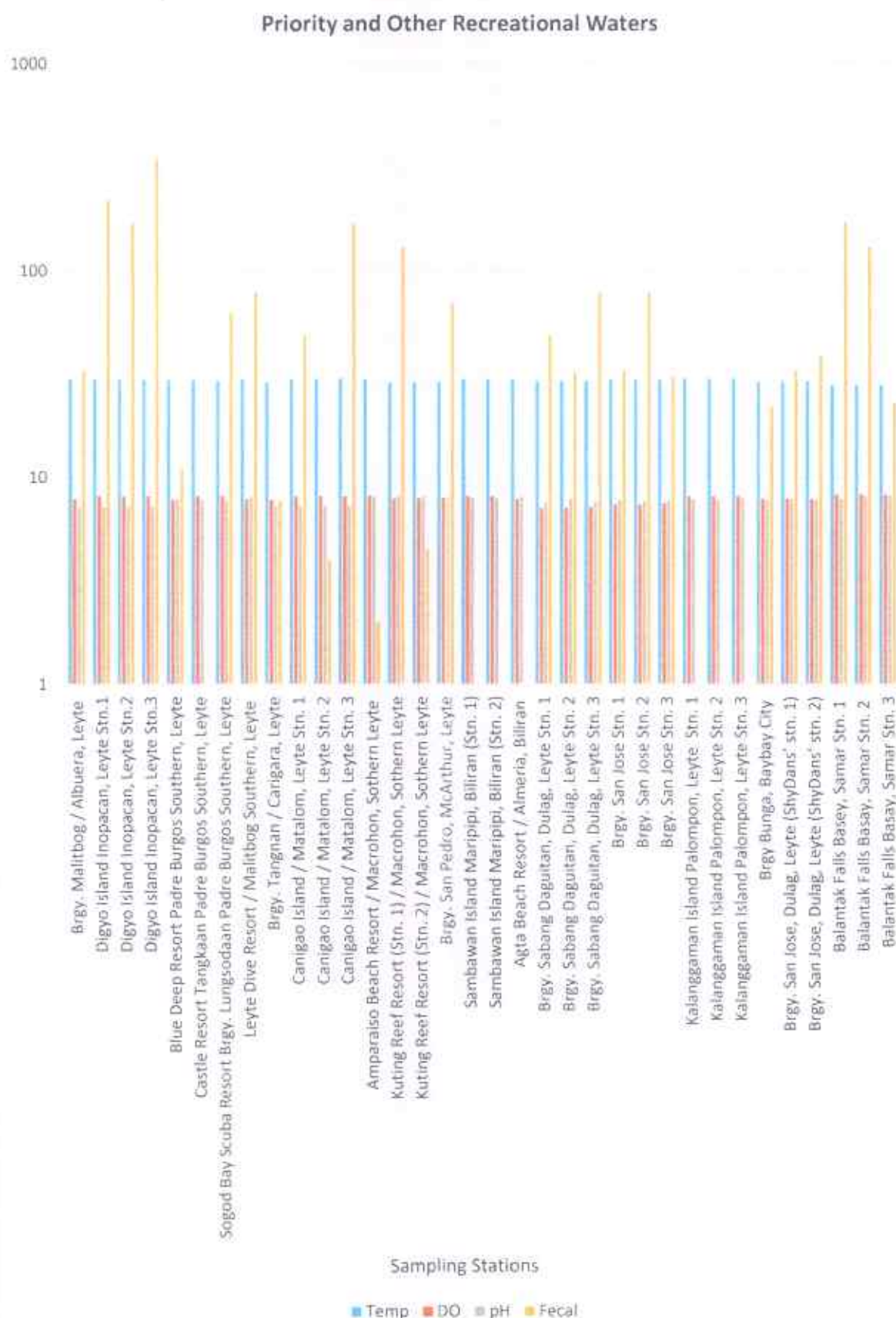
Adopted Esteros within WQMA			
NO.	SITE	May-22	
		Dissolved Oxygen	Biochemical Oxygen Demand
1	Cabangcoy Creek Stn.1	5.15	3.8
	Cabangcoy Creek Stn.2	5.54	3.4
2	Matlang River Stn.1	5.3	1.1
	Matlang River Stn.2	5.29	0.9
3	Bilwang Creek Stn.1	5.7	1.5
	Bilwang Creek Stn.2	6.21	1.9
4	Bantigue Creek Stn.1	6.3	4
	Bantigue Creek Stn.2	7.8	3.6
5	Mahiao River Stn.1	7.7	0.9
	Mahiao River Stn.2	7.9	1.1
6	Malitbog River Stn.1	7.1	1.2
	Malitbog River Stn.2	7.6	1.2
7	Natubgan River Stn.1	6.2	2.1
	Natubgan River Stn.2	7.3	1.1
8	Boac Creek Stn.1	7.8	2.3
	Boac Creek Stn.2	6.5	2.9
	Boac Creek Stn.3	7.7	5.8
	Boac Creek Stn.4	7.4	2.5
	Boac Creek Stn.5	6.9	14.9
	STANDARD	5 mg/L	7 mg/L

Remarks:

- DO and BOD for the month of May are within the allowable limit for Adopted Esteros inside WQMA per WQG. However, stn.5 of Boac Creek exceeded the standards for BOD.

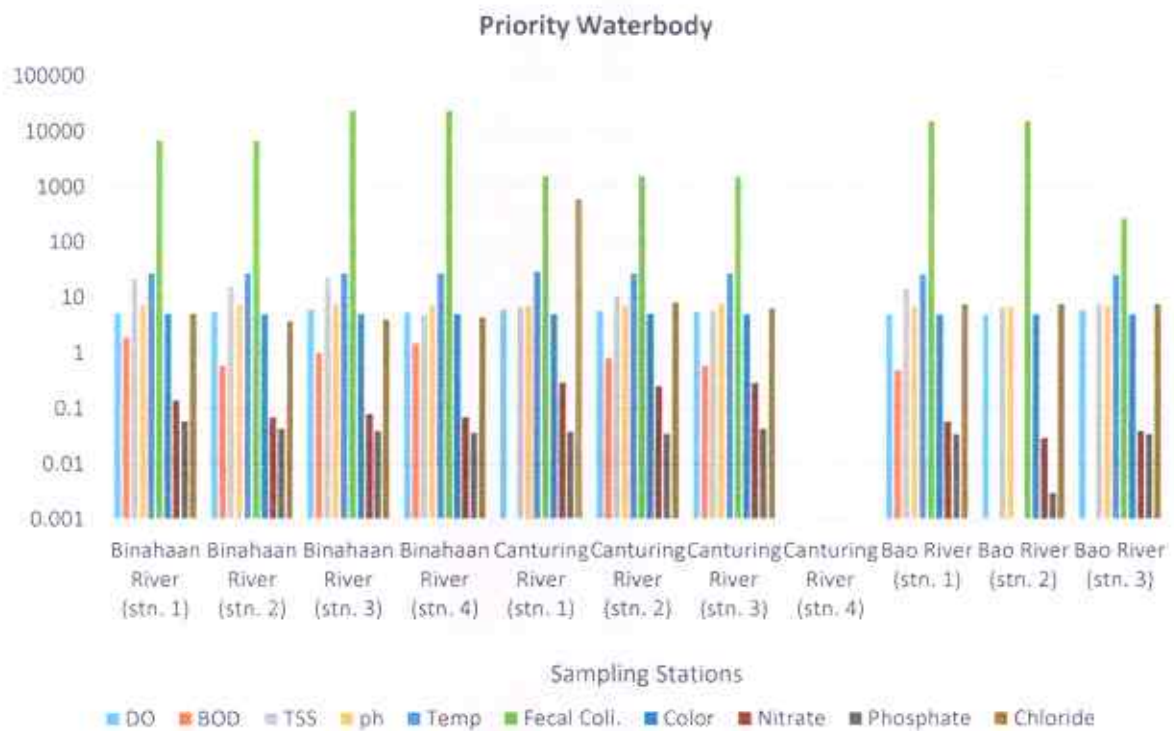
B. GRAPHICAL PRESENTATION OF THE WATER QUALITY MONITORING RESULTS

A. Priority/Other Recreational Waters



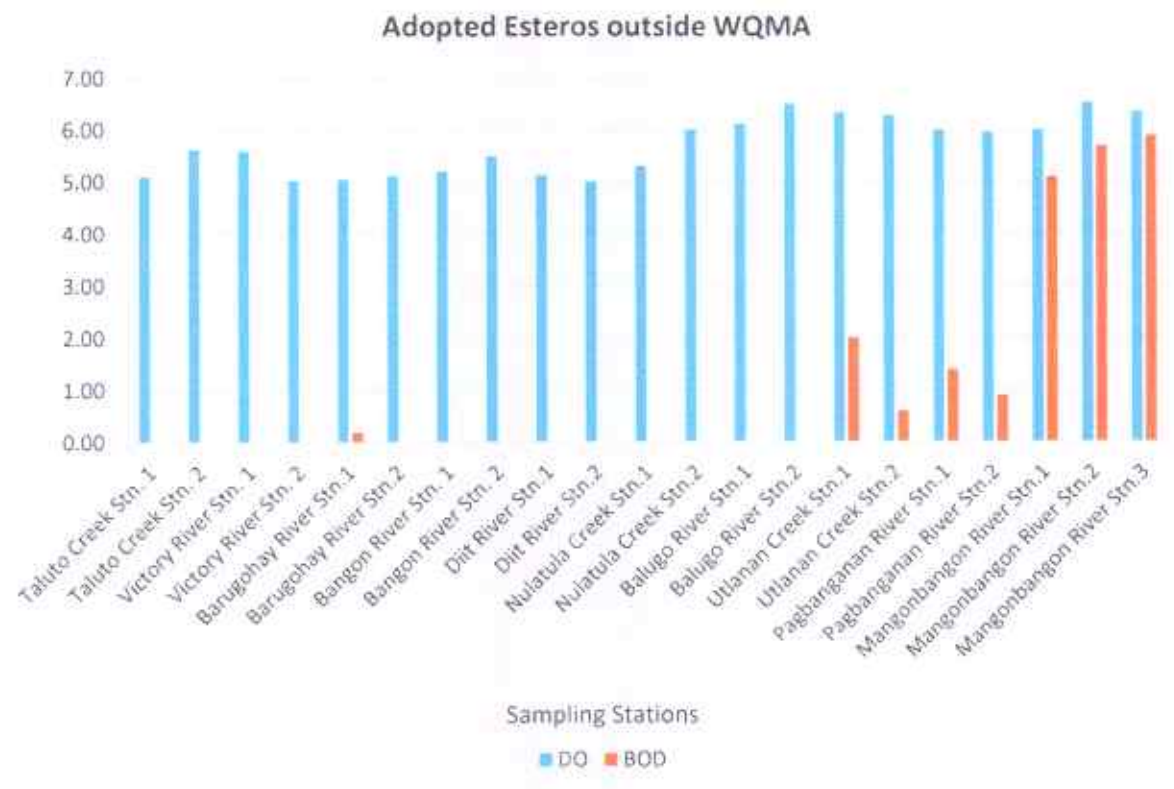
Graphical presentation of Temp, DO, pH and Fecal Coliform for Priority/Other Recreational Waters for the month of May 2022.

B. Priority Waterbody



Graphical presentation of DO, BOD, TSS, pH, Temp, Fecal Coliform, Color, Nitrate, Phosphate and Chloride of Priority Waterbody for the month of May 2022.

D. Adopt-an-Estero 1. Outside WQMA



Graphical presentation of DO and BOD for Adopted Esteros outside WQMA for the month of May 2022.

Adopt-an-Estero
2. Inside WQMA



Graphical presentation of DO and BOD for Adopted Esteros inside WQMA
for the month of May 2022.

Prepared by:

LINUS P. FUENTES
EMS I

Reviewed by:

ARNEL L. IFE
OIC – Chief, AMS

Approved by:

FOR. MANUEL J. SACADA JR.
OIC – Chief, EMED

Noted by:

ENGR. REYNALDO B. BARRA
OIC – Regional Director