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*Research article*

## **Impact of COVID-19 on the environment sector: a case study of Central Visayas, Philippines**

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**Table S1.** Summary of average water quality monitoring results for the Class A Rivers in Region 7, 2019–2020.

Class A	2019				2020			
	pH <sub>ave</sub>	Chlorides <sub>ave</sub> (mg/L)	Nitrates <sub>ave</sub> (mg/L)	Phosphates <sub>ave</sub> (mg/L)	pH <sub>ave</sub>	Chlorides <sub>ave</sub> (mg/L)	Nitrates <sub>ave</sub> (mg/L)	Phosphates <sub>ave</sub> (mg/L)
	6.5–8.5	250	7	0.5	6.5–8.5	250	7	0.5
Argao River upstream	8.4	13.2	0.3	0.02	7.4	76.3	0.4	0.04
Bagatayam River	7.8	12.8	3.3	0.03	7.7	14.8	2.5	0.04
Cotcot River	8.0	3383	0.5	0.17	7.9	74.5	0.9	0.06
Danao River upstream	8.6	10.5	0.2	0.03	8.2	10.5	0.3	0.02
Luyang River	8.2	16.3	0.9	0.03	8.2	16.3	1.0	0.02
Mananga River	8.3	188	0.3	1.50	7.9	24.2	1.0	0.13

**Table S2.** Summary of average water quality monitoring results for the Class B Rivers in Region 7, 2019–2020.

Class B	2019				2020			
	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)
	6.5–8.5	250	7	0.5	6.5–8.5	250	7	0.5
Argao River downstream	8.0	18.5	0.2	0.04	7.6	63	0.42	0.08
Guadalupe River upstream	8.0	33.5	0.6	0.73	7.4	83	0.05	0.21
Danao River downstream	8.1	5743	0.2	0.05	7.9	433	0.42	0.02

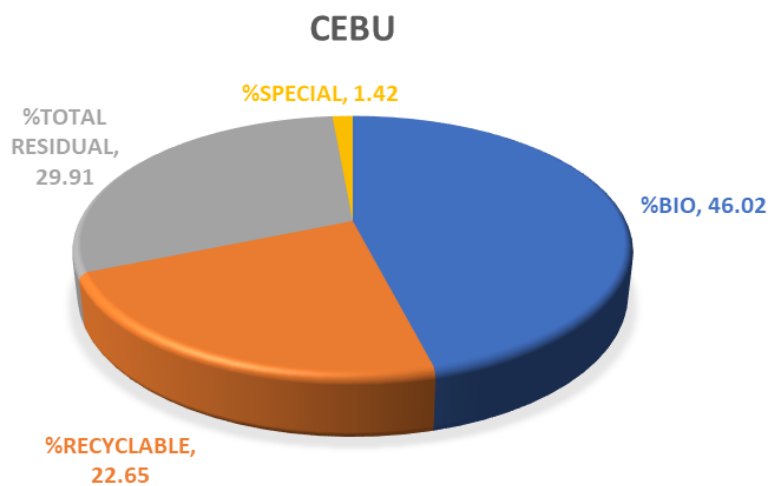
**Table S3.** Summary of average water quality results for the Class C Rivers in Region 7, 2019–2020.

Class C	2019				2020			
	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)
	6.5–9.0	350	7	0.5	6.5–9.0	350	7	0.5
Bulacao River	8.3	25	1.22	0.08	7.8	18	1.07	0.07
Guadalupe River downstream	7.9	136	0.06	2.43	8.1	81.3	0.04	1.06
Luyang River downstream	7.9	5183	0.59	0.07	8.1	1,225	0.90	0.09
Sapangdaku River downstream	8.2	47	0.95	0.04	8.2	34	0.60	0.03

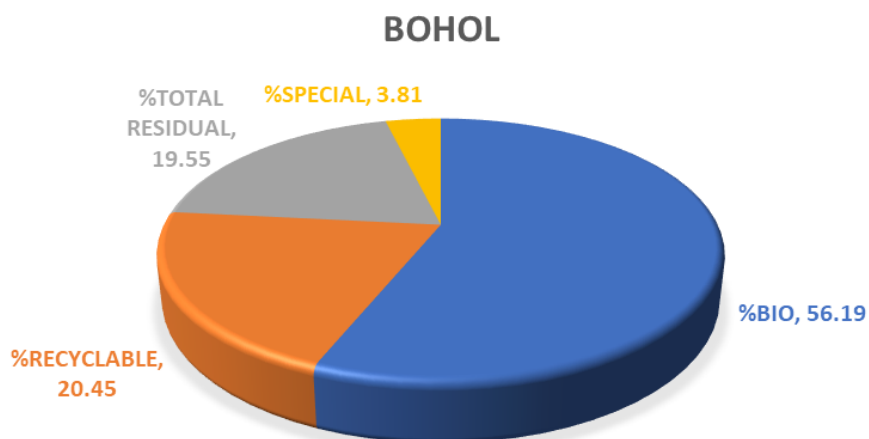
**Table S4.** Summary of average water quality results for the Class D Rivers in Region 7, 2019–2020.

Class D	2019				2020			
	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)	pH <sub>ave</sub>	Chlorides <sub>S<sub>ave</sub></sub> (mg/L)	Nitrates <sub>S<sub>ave</sub></sub> (mg/L)	Phosphates <sub>S<sub>ave</sub></sub> (mg/L)
	6.0–9.0	400	15	5	6.0–9.0	400	15	5
Bulacao River downstream	7.9	29.5	0.46	0.49	7.7	43	0.83	0.36
Butuanon River	8.6	148.5	0.49	0.84	8.3	86.2	0.60	0.36

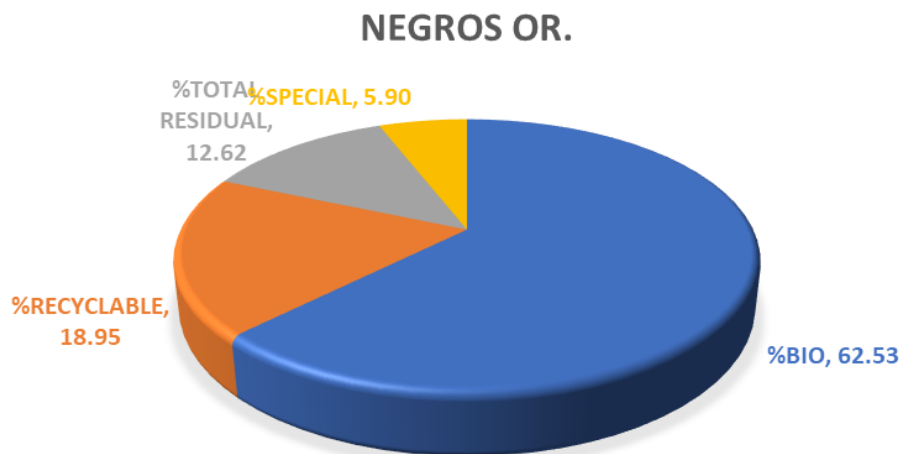
Source: EMB-DENR 7



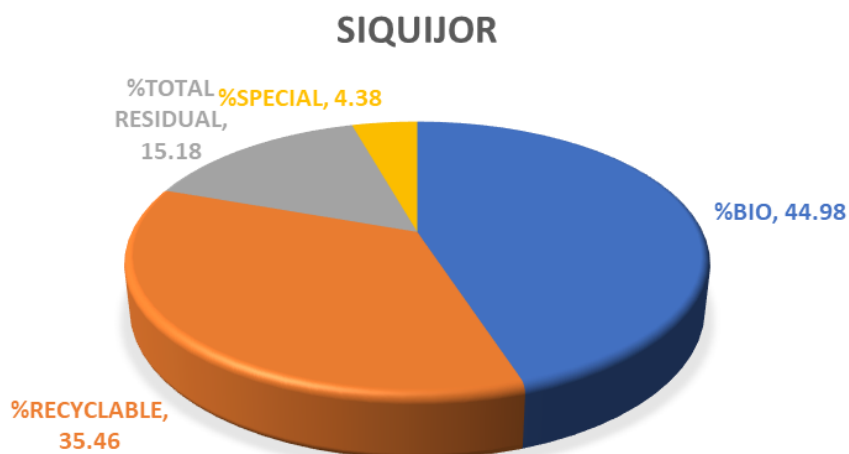
**Figure S1.** Composition of municipal solid waste in Cebu as of 2021.



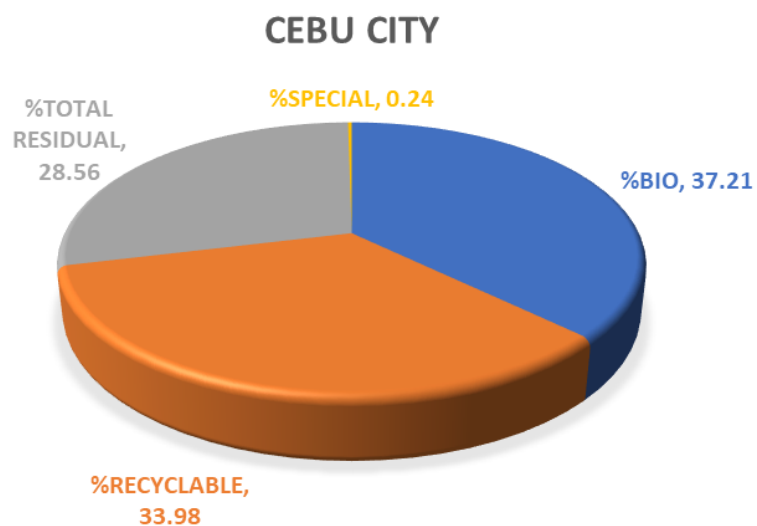
**Figure S2.** Composition of municipal solid waste in Bohol as of 2021.



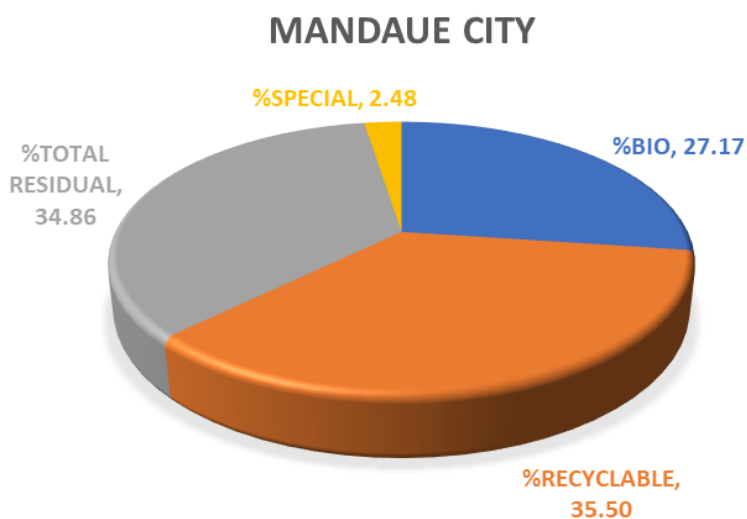
**Figure S3.** Composition of municipal solid waste in Negros Oriental as of 2021.



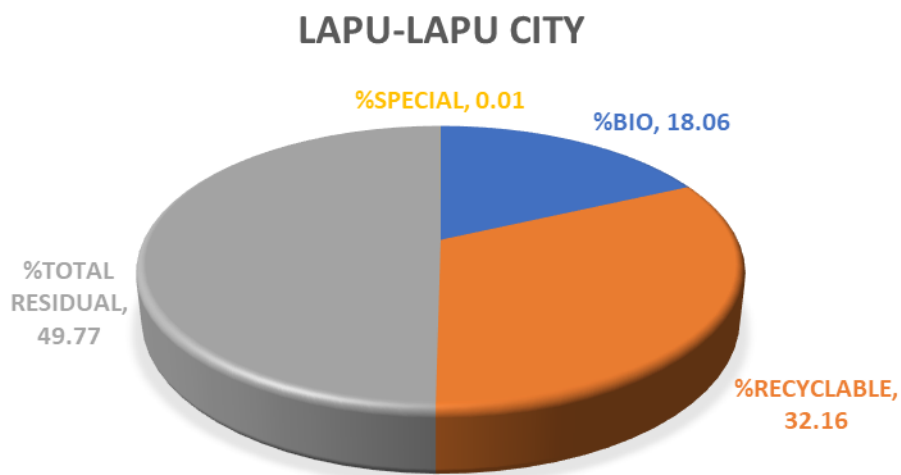
**Figure S4.** Composition of municipal solid waste in Siquijor as of 2021.



**Figure S5.** Composition of municipal solid waste in Cebu City as of 2021.



**Figure S6.** Composition of municipal solid waste in Mandaue City as of 2021.



**Figure S7.** Composition of municipal solid waste in Lapu-Lapu City as of 2021.



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