

Table 8. Monitored Waterbodies (classified waterbodies): CY 2022

Freshwater

Name of Waterbody	Classification	Location	Monitoring Station	Fecal Coliform (MPN/100mL)	pH	DO (mg/L)	BOD (mg/L)	Color (TCU)	Temperature (C)	TSS (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Chloride (mg/L)	Interpretation
Argao River	Stations 1 = Class D	Argao, Cebu	Argao Bridge	15,867	8.30	8.13	3.00	5.00	25.22	57.00	0.43	0.023	33.75	DO is within the allowable levels for Class A and Class B waterbodies. However, there is a minimal exceedance for BOD
	Stations 2 = Class B	Argao, Cebu	Argao Nat'l High School	10,483	7.90	8.08	3.00	5.00	25.19	58.00	0.37	0.023	24.50	
	Stations 3 = Class A	Argao, Cebu	Jomgao Footbridge	24,143	8.10	8.13	2.00	5.00	25.18	64.00	0.38	0.027	61.00	
	Stations 4 = Class A	Argao, Cebu	Usmad Bridge	18,179	8.20	7.90	4.00	5.00	25.14	71.00	0.33	0.024	26.25	
Bagatayam River	Stations 1 = Class A	Sogod, Cebu	Bagatayam Bridge	62,250.22	7.93	7.81	2.75	6.25	27.53	26.00	1.02	0.062	49.75	There is a minimal exceedance of phosphate that may come from human and animal wastes, laundry, run-off and etc.
	Stations 2 = Class A	Sogod, Cebu	100m Upstream Bagatayam Bridge	32,215.59	7.66	7.71	3.00	7.50	27.61	26.50	1.75	0.067	58.75	
	Stations 3 = Class A	Sogod, Cebu	200m Downstream Source	16,459.45	7.52	7.59	2.00	6.25	27.47	23.75	1.78	0.068	39.00	
	Stations 4 = Class A	Sogod, Cebu	Source (Grotto)	3,221.56	8.03	6.77	1.50	7.50	27.33	24.75	1.77	0.064	42.50	
Bulacao River	Stations 1 = Class D	Cebu City, Talisay City	50m Before Mouth Bulacao River	7,050,500	8.12	2.26	32.75	18.75	28.06	19.00	0.86	0.610	76.25	Stations in downstream has high BOD concentration since the water traverses from two highly populated cities, water pollution comes from different sources namely wastewater from drainage (non-point sources) and mostly from household and small businesses discharge.
	Stations 2 = Class D	Cebu City, Talisay City	Upper Torre Bridge	2,131,653	8.10	3.42	18.75	18.75	28.05	14.25	0.95	0.303	32.25	
	Stations 3 = Class D	Cebu City, Talisay City	Bulacao Bridge	7,327,514	8.02	2.57	24.25	18.75	28.15	17.00	0.59	0.189	45.25	
	Stations 4 = Class D	Cebu City, Talisay City	Candulawan Footbridge	2,544,238	8.10	6.47	5.25	16.25	27.60	16.75	1.26	0.134	44.75	
	Station 5 = Class C	Cebu City, Talisay City	Source Bulacao River	901,244	8.23	8.13	4.00	15.00	27.80	11.25	0.72	0.119	59.00	
Butuanon River	Stations 1 = Class D	Cebu City and Mandaue City	Camboga-ong Bridge	22,566,667	7.84	0.07	79.70	28.00	28.34	70.30	0.21	0.50	217.30	Only stations located in Cebu City have water quality that passed the criteria for BOD concentration, not exceeding 7mg/L for class C water bodies. Three (3) stations in Mandaue City and three (3) stations in Cebu City exceeded had average TSS levels that exceeded the criteria for Class C waterbodies. The Greenhills, Piliit and Canduman Bridge stations have high TSS concentrations due to developments that stir the substrate of the stations, such as embankments. Quarry activities are also the main contributor for TSS concentrations in Sta. Lucia, Candurang Pulangbato and Candurang Bridge stations. Stations in Mandaue City and Candurang Bridge are beyond the allowable guideline for a Class A waterbody which is 3mg/L TSS is beyond the maximum allowable limit at 50 mg/L. Quarry activities in the upstream portion is rampant. Candurang bridge station has an average chloride of 17,000.00 mg/L which still exceeds the allowable limit of 250mg/L for a Class B waterbody. Danao River is within the passing criteria for some other parameters like pH, nitrate and color. However, there is minimal exceedance for phosphate
	Stations 2 = Class D	Cebu City and Mandaue City	Butuanon Bridge	41,800,000	7.78	1.02	64.00	17.50	28.18	60.20	0.34	0.29	125.20	
	Stations 3 = Class D	Cebu City and Mandaue City	Tingub Bridge	2,150,000	7.97	3.00	18.60	15.00	27.88	57.00	0.48	0.26	77.10	
	Stations 4 = Class D	Cebu City and Mandaue City	Greenhills Outfall	4,321,000	7.92	3.07	20.40	13.00	27.94	309.80	0.57	0.24	57.20	
	Stations 5 = Class D	Cebu City and Mandaue City	Piliit (HJR Outfall)	3,154,444	7.97	3.46	30.60	12.50	no data	188.20	1.30	0.22	51.00	
	Stations 6 = Class D	Cebu City and Mandaue City	Canduman Bridge	1,092,222	7.98	6.03	7.70	13.00	28.07	470.60	1.29	0.18	50.40	
	Stations 7 = Class D	Cebu City and Mandaue City	Bacayan Bridge	724,444	7.91	5.82	7.00	12.50	28.08	72.10	0.85	0.15	77.10	
	Stations 8 = Class D	Cebu City and Mandaue City	Sta. Lucia Bridge	467,556	8.01	7.54	4.30	13.00	28.40	207.00	0.77	0.09	84.70	
	Stations 9 = Class D	Cebu City and Mandaue City	Candurang Pulangbato	464,111	8.06	7.78	4.40	12.00	28.21	249.90	0.67	0.11	69.90	
	Stations 10 = Class D	Cebu City and Mandaue City	Binaliw II	414,000	8.18	8.30	5.70	14.50	28.48	36.30	0.65	0.14	31.10	
	Stations 11 = Class D	Cebu City and Mandaue City	Candurang Bridge	112,556	8.13	7.84	4.60	15.00	28.15	346.50	0.58	0.12	56.20	
Cotcot River	Stations 1 = Class A	Compostela and Liloan, Cebu	Cotcot Bridge	217,300.84	7.88	5.20	7.25	10.00	28.21	32.25	0.19	0.072	2,935.00	Stations in Mandaue City and Binaliw II are beyond the allowable guideline for a Class A waterbody which is 3mg/L TSS is beyond the maximum allowable limit at 50 mg/L. Quarry activities in the upstream portion is rampant. Candurang bridge station has an average chloride of 17,000.00 mg/L which still exceeds the allowable limit of 250mg/L for a Class B waterbody. Danao River is within the passing criteria for some other parameters like pH, nitrate and color. However, there is minimal exceedance for phosphate
	Stations 2 = Class A	Compostela and Liloan, Cebu	Tamiao Purok Gemelina	107,063.86	8.05	6.26	6.00	11.00	30.94	51.00	0.33	0.113	354.00	
	Stations 3 = Class A	Compostela and Liloan, Cebu	Tamiao 2 Purok Acacia	4,524.24	8.03	8.55	4.75	10.00	31.33	28.00	0.32	0.120	41.00	
	Stations 4 = Class A	Compostela and Liloan, Cebu	Cabadiangan Compostela	19,316.71	8.15	7.65	3.75	11.00	30.00	102.25	0.37	0.090	41.00	
Danao River	Stations 1 = Class B	Danao City, Cebu	Danao Bridge	58,951.44	7.98	6.55	2.50	8.75	29.95	21.75	5.13	0.052	1,788.50	Stations in Mandaue City and Binaliw II are beyond the allowable guideline for a Class A waterbody which is 3mg/L TSS is beyond the maximum allowable limit at 50 mg/L. Quarry activities in the upstream portion is rampant. Candurang bridge station has an average chloride of 17,000.00 mg/L which still exceeds the allowable limit of 250mg/L for a Class B waterbody. Danao River is within the passing criteria for some other parameters like pH, nitrate and color. However, there is minimal exceedance for phosphate
	Stations 2 = Class B	Danao City, Cebu	Guinacot Footbridge	10,044.52	8.48	7.98	3.50	7.50	29.01	7.25	5.07	0.025	76.25	
	Stations 3 = Class A	Danao City, Cebu	Langub Footbridge	8,427.84	8.26	8.20	3.50	6.25	29.10	15.00	2.56	0.040	36.25	
	Stations 4 = Class A	Danao City, Cebu	Awihaw	19,547.10	8.27	8.94	3.00	6.25	29.13	6.75	2.57	0.031	30.75	
Estero de Parian	Station 1 = Class D	Cebu City	McArthur – Palma Bridge	758,946.64	7.53	0.00	70.75	21.25	30.15	31.50	0.03	1.677	220.25	Has zero oxygen level and a high BOD concentration
	Station 2 = Class D	Cebu City	Back Gaisano	510,161.23	7.56	0.00	98.50	23.75	29.77	46.25	0.03	2.003	166.25	
	Stations 1 = Class C	Cebu City	Topaz Bridge	3,435,838.00	8.04	0.00	54.00	25.00	29.45	25.67	0.12	1.411	82.33	
Guadalupe River	Stations 2 = Class C	Cebu City	Sanciango Bridge	6,269,899.00	8.09	0.00	45.67	23.33	29.18	27.67	0.05	1.348	72.33	Stations downstream have zero to low oxygen concentration and a high BOD level
	Stations 3 = Class C	Cebu City	B. Rodriguez Bridge	3,570,123.00	8.21	2.17	34.33	18.33	28.84	9.67	0.22	1.222	103.00	
	Station 4 = Class B	Cebu City	Sandayong Bridge	165,710.00	8.31	6.82	7.33	10.00	28.77	5.67	1.60	0.171	26.67	
	Station 1 = Class D	Cebu City	Kinalumsan Bridge	19,392,572.00	7.72	0.00	42.33	20.00	29.24	40.00	0.03	1.039	99.00	
Kinalumsan River	Stations 2 = Class C	Cebu City	Salvador Bridge	26,687,761.00	7.68	0.00	55.67	23.33	29.03	235.33	0.02	1.243	69.67	Only station 4, located in Sitio Taytayan II, Buhsan, has DO reading which has an annual average of 2.80mg/L. Also, BOD concentration is high and beyond the maximum criteria. All stations have high Biochemical Oxygen Demand concentration ranging from 16.25mg/L to 67.75mg/L. Dissolved Oxygen from Ecotech to McArthur-Tejero Bridge have zero to very low oxygen levels.
	Stations 3 = Class C	Cebu City	F. Llamas Bridge	6,737,262.00	7.87	0.00	44.00	20.00	29.61	18.33	0.04	0.800	54.33	
	Stations 4 = Class D	Cebu City	Sitio Taytayan I	639,361.00	7.86	2.80	21.67	11.67	29.75	7.33	0.46	0.159	20.67	
	Stations 1 = Class D	Cebu City	McArthur-Tejero Bridge	758,947.00	7.71	0.00	67.75	26.25	29.41	31.50	0.10	1.964	128.00	
	Stations 2 = Class D	Cebu City	Echavez Bridge	574,864.00	7.73	0.58	63.50	20.00	28.55	21.50	0.11	1.544	104.00	
Lahug River	Stations 3 = Class D	Cebu City	Camputhaw Bridge	758,947.00	7.71	0.00	64.00	26.25	28.64	32.75	0.03	1.936	88.75	Dissolved Oxygen from Ecotech to McArthur-Tejero Bridge have zero to very low oxygen levels.
	Stations 4 = Class D	Cebu City	Ecotech Lahug	758,947.00	7.83	0.00	71.25	23.75	28.78	31.00	0.43	2.168	83.50	
	Stations 5 = Class D	Cebu City	Tarcom	181,788.00	7.68	5.40	16.25	8.75	28.15	17.50	2.02	0.229	32.00	
	Station 1 = Class B	Loboc, Bohol	Loay	4,377.00	7.83	6.56	2.25	5.00	28.60	15.75	0.02	0.029	4,994.00	
	Station 2 = Class B	Loboc, Bohol	Loboc Bridge	1,969.00	8.02	7.07	1.25	5.00	28.41	6.75	1.95	0.025	351.50	
Luyang River	Station 3 = Class B	Loboc, Bohol	Na-ongan	4,293.00	8.39	7.29	2.25	5.00	27.37	11.75	0.34	0.030	28.75	Chloride concentration is beyond the allowable criteria due to its proximity to the coastal area.
	Station 4 = Class B	Loboc, Bohol	Sevilla Twin Hanging Bridge	2,775.00	8.68	7.63	2.00	5.00	27.44	24.00	0.33	0.027	56.25	
	Stations 1 = Class C	Carmen, Cebu	Luyang Bridge	25,262.00	8.03	6.09	7.25	7.50	27.58	21.25	0.56	0.085	755.75	
	Stations 2 = Class A	Carmen, Cebu	Obayong Footbridge	53,404.00	8.11	7.18	4.75	6.25	27.01	34.50	0.71	0.074	104.00	
Mahiga River	Stations 3 = Class A	Carmen, Cebu	Cantipay Spillway	25,764.00	8.01	8.31	2.75	5.00	26.68	25.50	0.87	0.037	66.00	Minimal exceedance of average BOD concentration. Average chloride concentration at Luyang Bridge station exceeds the allowable limit of 350 mg/L.
	Stations 4 = Class A	Carmen, Cebu	Cantumog Spillway	20,589.00	8.13	7.98	3.00	5.00	26.85	33.25	0.83	0.048	48.00	
	Stations 1 = Class D	Cebu City & Mandaue City	Reclamation Bridge	7,402,288.00	7.85	0.00	51.00	26.67	29.84	833.67	1,648.00	1.337	1,648.00	
	Stations 2 = Class D	Cebu City & Mandaue City	San Jose de la Montana	9,930,180.00	7.84	0.00	75.33	28.33	28.80	154.67	280.67	1.841	280.67	
	Stations 3 = Class D	Cebu City & Mandaue City	Subangdaku Bridge	13,508,088.00	7.80	0.00	63.67	30.00	28.35	92.33	173.67	1.606	173.67	
Mananga River	Stations 4 = Class D	Cebu City & Mandaue City	F. Cabahug Bridge	1,238,736.00	7.75	0.30	64.33	26.67	28.60	84.33	181.33	1.698	181.33	Mahiga River has zero to low oxygen levels. No detectable levels of dissolved oxygen are not a good indicator in
	Station 5 = Class C	Cebu City & Mandaue City	Gaisano Bowlingplex	2,668,776.00	7.74	0.39	48.67	26.67	27.42	56.67	100.33	1.514	100.33	
	Stations 1 = Class A	Talisay City	Lawaan II Bridge	523,162.60	8.16	6.44	3.25	6.25	29.46	286.25	1.62	0.146	41.75	
Mananga River	Stations 2 = Class A	Talisay City	SRP Bridge	304,746.18	7.99	7.17	2.75	5.00	29.39	64.75	1.58	0.124	77.25	TSS levels in Lawaan II Bridge to Mananga Bridge stations exceed the allowable water quality guideline of 50 mg/L for a Class A waterbody.
	Stations 3 = Class A	Talisay City	Mananga Bridge	622,502.18	8.22	7.75	3.25	6.25	29.27	79.25	0.69	0.080	16.25	

Pangdan River	Stations 4 = Class A	Talisay City	Jaclupan	14,701.83	8.24	7.28	1.75	6.25	28.45	13.00	0.74	0.055	28.75	Minimal exceedance of phosphate at all monitoring stations
	Stations 5 = Class A	Talisay City	Camp IV Bridge	23,842.20	8.24	7.75	3.00	5.00	28.65	15.25	0.54	0.063	85.25	
	Stations 1 = Class C	City of Naga, Cebu	Tina-an Bridge	122,197.00	3.00	6.59	3.00	8.75	30.31	17.00	0.94	0.043	8.75	
	Stations 2 = Class C	City of Naga, Cebu	Na-alad Footbridge	43,081.00	3.00	7.25	3.00	6.25	29.46	19.00	0.72	0.042	6.25	
	Station 3 = Class B	City of Naga, Cebu	Beside Sherilin	35,006.00	1.50	7.38	1.50	7.50	28.86	12.50	0.66	0.048	7.50	
Sapangdaku River	Station 4 = Class B	City of Naga, Cebu	Lutac Bridge	82,184.00	2.00	7.54	2.00	7.50	29.29	16.00	0.49	0.036	7.50	In terms of nitrate and color quality, the river is within the criteria for Class B and C waters. Chloride concentration in Tina-an Bridge station is high due to its proximity to the coastal waters. Phosphate concentration is also high due to domestic discharges, together with storm water run-off from different sources of pollutants
	Station 5 = Class B	City of Naga, Cebu	Purok Iplil-Iplil Uling	100,977.00	2.00	7.38	2.00	6.25	28.67	14.00	0.61	0.053	6.25	
	Stations 1 = Class C	Toledo City	Dumlog Bridge	635.00	7.88	7.42	3.00	5.00	28.05	81.25	0.59	0.050	316.75	
	Stations 2 = Class C	Toledo City	Magdugo	439.00	8.17	7.28	3.00	5.00	28.66	396.50	0.37	0.057	56.00	
	Stations 3 = Class C	Toledo City	Exit Sigit Dam/Overflow	323.00	8.18	7.29	2.75	5.00	28.83	366.00	0.47	0.068	72.25	
Tejero Creek	Station 4 = Class C	Pandong City	Pandong Bato	74.00	8.38	7.62	2.25	5.00	28.53	60.50	0.69	0.037	49.50	Stations in Exit Sigit Dam to Dumlog Bridge have high TSS concentration. Limited vegetation in the area cannot hold the soil together making it easily washable. Minimal exceedance of phosphate
	Stations 1 = Class C	Cebu City	Blessed Sacrament	426,787.06	7.24	0.00	51.25	15.00	30.30	29.75	1.35	1.093	5,383.50	
Tejero Creek	Stations 2 = Class C	Cebu City	Mc Arthur - T. Padilla	758,946.64	7.55	0.00	41.25	18.75	29.52	25.50	0.09	1.183	4,193.00	Has zero oxygen level and a high BOD concentration

Coastal Waters

Name of Waterbody	Classification	Location	Monitoring Station	Fecal Coliform (MPN/ 100mL)	pH	DO (mg/L)	BOD (mg/L)	Color (TCU)	Temperature (C)	TSS (mg/L)	Nitrate (mg/L)	Phosphate (mg/L)	Chloride (mg/L)	Interpretation
Anda Coastal Waters	The coastal area is not officially classified, comparison of water quality will be based on its current beneficial use, which is Class SB.	Anda, Bohol	Suba 1	278.00	7.98	5.96	*	5.00	28.94	72.00	0.09	0.02	*	Results revealed that Poblacion 3 Station has the highest average TSS concentration for the year, with 77 mg/L. The general characteristic of Suba and Poblacion area is that it has a very fine white sand substrate. Tidal action and minor disturbance in the water column easily affects the TSS concentration in the area.
		Anda, Bohol	Suba 2	406.00	8.00	6.61	*	5.00	28.77	54.00	0.04	0.02	*	
		Anda, Bohol	Poblacion 1	487.00	7.99	6.34	*	5.00	28.74	51.00	0.04	0.02	*	
		Anda, Bohol	Poblacion 2	511.00	8.01	6.32	*	5.00	28.63	72.00	0.06	0.02	*	
		Anda, Bohol	Poblacion 3	691.00	7.99	6.20	*	5.00	28.54	77.00	0.11	0.02	*	
		Anda, Bohol	Bacong 1	103.00	7.91	4.96	*	5.00	28.67	45.00	0.07	0.02	*	
		Anda, Bohol	Bacong 2	118.00	7.92	5.21	*	5.00	28.73	52.00	0.07	0.02	*	
		Anda, Bohol	Virgen	212.00	8.07	5.89	*	5.00	28.69	45.00	0.08	0.02	*	
		Anda, Bohol	Candabong	125.00	8.09	6.22	*	5.00	28.58	33.00	0.06	0.02	*	
Badian Coastal Waters	The coastal area is not officially classified, comparison of water quality will be based on its current beneficial use, which is Class SB.	Badian, Cebu	Balha-an	398.00	8.23	6.01	*	5.00	28.68	47.00	0.09	0.024	*	Results reveal that average Dissolved Oxygen concentration ranges from 4.61 mg/L to 6.01 mg/L, which is considerably ideal for coastal waters. Overall, the coastal waters of Badian have good water quality in terms of physico-chemical parameters.
		Badian, Cebu	Matutinao	384.00	8.16	5.01	*	5.00	28.45	43.00	0.08	0.023	*	
		Badian, Cebu	Malabago	662.00	8.10	5.19	*	5.00	28.64	33.00	0.08	0.022	*	
		Badian, Cebu	Lambug 1	564.00	8.12	4.61	*	5.00	28.77	37.00	0.09	0.024	*	
		Badian, Cebu	Lambug 2	851.00	8.12	5.55	*	5.00	28.81	32.00	0.18	0.022	*	
		Badian, Cebu	Lambug 3	322.00	8.10	5.98	*	5.00	28.67	39.00	0.14	0.022	*	
		Badian, Cebu	Poblacion	1,041.00	8.00	5.19	*	5.00	29.36	40.00	0.37	0.032	*	
		Badian, Cebu	Malhiao	466.00	8.00	5.55	*	5.00	29.27	34.00	0.13	0.024	*	
East Coast Mactan Waters	Class SB	Lapu-Lapu, Cebu	Marigondon 1	2,519.00	8.16	5.75	*	5.00	29.71	44.00	0.09	0.022	*	Water quality monitoring reveals that TSS, nitrates, phosphates, and color are within the allowable levels for Class SB waterbodies.
		Lapu-Lapu, Cebu	Marigondon 2	1,944.00	8.16	5.95	*	5.00	29.80	45.00	0.06	0.023	*	
		Lapu-Lapu, Cebu	Marigondon 3	337.00	8.28	6.54	*	5.00	29.93	39.00	0.09	0.022	*	
		Lapu-Lapu, Cebu	Marigondon 4	1,249.00	8.23	6.46	*	5.00	29.98	39.00	0.27	0.023	*	
		Lapu-Lapu, Cebu	Agus 2	1,209.00	8.27	6.86	*	5.00	30.15	39.00	0.14	0.022	*	
		Lapu-Lapu, Cebu	Maribago 1	798.00	8.08	6.48	*	5.00	30.45	31.00	0.17	0.023	*	
		Lapu-Lapu, Cebu	Maribago 2	379.00	8.09	6.64	*	5.00	30.56	48.00	0.17	0.023	*	
		Lapu-Lapu, Cebu	Maribago 3	436.00	8.28	6.93	*	5.00	30.46	44.00	0.06	0.023	*	
		Lapu-Lapu, Cebu	Maribago 4	322.00	8.30	7.05	*	5.00	30.43	34.00	0.05	0.022	*	
		Lapu-Lapu, Cebu	Mactan	860.00	8.29	6.80	*	5.00	30.08	36.00	0.07	0.023	*	
Moalboal Coastal Waters	The coastal area is not officially classified, comparison of water quality will be based on its current beneficial use, which is Class SB.	Moalboal, Cebu	Balabagon	349.00	7.95	6.50	*	5.00	29.97	52.00	0.73	0.024	*	Results reveal that some stations exceed the allowable TSS levels for Class SB waterbody which is 50 mg/L. This means that the water is affected by sediments load from other sources of pollutants. However, the exceedance is very minor and may have been caused by tidal action in Balabagon Station. The sand in the coastal waters is characteristically fine and easily washable. Mangroves are nearby, which explains the murky substrate, together with some fish cages.
		Moalboal, Cebu	Poblacion	395.00	8.15	6.34	*	5.00	29.24	38.00	0.08	0.023	*	
		Moalboal, Cebu	Basdiot 1	121.00	8.23	7.01	*	5.00	29.43	35.00	0.04	0.022	*	
		Moalboal, Cebu	Basdiot 2	793.00	8.27	6.91	*	5.00	29.61	31.00	0.08	0.023	*	
		Moalboal, Cebu	Basdaku, Saavedra 1	307.00	8.19	6.64	*	5.00	29.49	42.00	0.05	0.023	*	
		Moalboal, Cebu	Basdaku, Saavedra 2	520.00	8.28	6.62	*	5.00	29.77	39.00	0.07	0.023	*	
		Moalboal, Cebu	Basdaku, Saavedra 3	633.00	8.26	6.69	*	5.00	29.93	36.00	0.08	0.022	*	
		Moalboal, Cebu	Bangag, Saavedra	85.00	8.24	6.62	*	5.00	30.02	47.00	0.05	0.022	*	
		Moalboal, Cebu	Maravilla 1	691.00	8.03	6.31	*	5.00	29.57	48.00	0.24	0.025	*	
		Moalboal, Cebu	Maravilla 2	453.00	8.03	6.58	*	5.00	29.53	41.00	0.17	0.027	*	
Tabuelan Coastal Waters	The coastal area is not officially classified, comparison of water quality will be based on its current beneficial use, which is Class SB.	Tabuelan, Cebu	Maravilla 3	2,400.00	7.91	6.53	*	5.00	28.32	52.00	0.03	0.021	*	All the stations except Maravilla III and Tigbawan passed the Class SB Criteria of 50 mg/L. Due to the characteristics of the two stations having murky substrates, tidal action can easily stir it and cause TSS to be high in these stations.
		Tabuelan, Cebu	Tigbawan	1,156.00	8.02	6.67	*	5.00	30.00	52.00	0.67	0.030	*	
		Tabuelan, Cebu	Olivo	213.00	8.03	6.51	*	5.00	29.57	40.00	0.12	0.023	*	
		Tabuelan, Cebu	Tabunok I	267.00	8.02	6.60	*	5.00	29.91	39.00	0.10	0.025	*	
		Tabuelan, Cebu	Poblacion	6,381.00	7.79	7.32	*	5.00	28.78	26.00	0.84	0.034	*	
		Tabuelan, Cebu	Tungkil	90,077.00	8.17	5.96	*	5.00		137.00	0.15	0.077	*	
Minglanilla Coastal Waters	Class SC - Beneficial Use	Minglanilla, Cebu	Cataljo-an	61,796.00	8.14	6.48	*	5.00	31.48	157.00	0.22	0.101	*	Calajoan Station has the highest average TSS concentration for the year, with 157 mg/L. Stations in Calajoan and Tungkil are very much affected in terms of TSS concentration due to the presence of rivers draining into these areas. Pakigne and Pingnan Rivers carry nutrients, pollutants and silt into the downstream portion, which later drains into the coastal area.
		Minglanilla, Cebu	Tulay	63,313.00		6.23	*	5.00	31.44	94.00	0.10	0.054	*	
		Minglanilla, Cebu	Tungkop	6,560.00		6.26	*	5.00	31.23	82.00	0.08	0.031	*	
		Minglanilla, Cebu			8.20				28.44				*	
		Minglanilla, Cebu	Hagnaya	368.00	7.98	6.57	*	5.00	28.84	40.00	0.19	0.025	*	

San Remigio Coastal Waters	The coastal area is not officially classified, comparison of water quality will be based on its current beneficial use, which is Class SB.	San Remigio, Cebu	Punta	552.00	8.10	6.59	*	5.00	28.71	38.00	0.12	0.024	*	Results revealed that average Dissolved Oxygen concentration range from 5.89 to 6.59 mg/L, which is considerably ideal for coastal waters. All other parameters have an average ideal for Class SA, SB and SC waterbodies.	
		San Remigio, Cebu	Poblacion I	210.00	7.94	5.89	*	5.00	28.80	35.00	0.42	0.028	*		
		San Remigio, Cebu	Poblacion II	1,384.00	7.98	6.47	*	5.00	28.58	37.00	0.22	0.025	*		
		San Remigio, Cebu	Looc	350.00	7.97	6.14	*	5.00	28.65	42.00	0.09	0.025	*		
		San Remigio, Cebu	Maño	821.00	7.92	6.10	*	5.00	28.10	36.00	0.07	0.025	*		
		San Remigio, Cebu	Anapog	270.00	8.00	6.08	*	5.00	28.77	39.00	0.28	0.028	*		
		San Remigio, Cebu	Tambongon	484.00	7.92	6.47	*	5.00	28.88	43.00	0.31	0.027	*		
City of Naga Coastal Waters	SB - Beneficial Use	City of Naga, Cebu	Inayagan	7,765.00	8.12	6.36	*	5.00	30.17	137.00	0.09	0.039	*	It shows that stations exceeded its TSS concentration due to human activities in the area. Other stations are public beaches where it is accessible to everyone. Also, Results reveal that Inayagan station has the highest average TSS concentration for the year, with 137mg/L. The general characteristic of Inayagan area is that it has a sand substrate. Tidal action and minor disturbance in the water column easily affects the TSS concentration in the area.	
	SB - Beneficial Use	City of Naga, Cebu	Tuyan	15,391.00	8.10	6.17	*	5.00	30.52	90.00	0.24	0.031	*		
	SB - Beneficial Use	City of Naga, Cebu	Colon	157,639.00	7.96	4.75	*	5.00	30.47	88.00	0.10	0.112	*		
	SB - Beneficial Use	City of Naga, Cebu	Poblacion 1	710.00	8.12	6.31	*	5.00	29.63	55.00	0.04	0.021	*		
	SB - Beneficial Use	City of Naga, Cebu	Poblacion 2	11,355.00	7.97	5.77	*	5.00	29.74	59.00	0.28	0.054	*		
	SB - Beneficial Use	City of Naga, Cebu	Tina-an	584.00	8.15	6.37	*	5.00	29.82	55.00	0.07	0.029	*		
	SB - Beneficial Use	City of Naga, Cebu	Inoburan	2,949.00	7.99	5.93	*	5.00	30.19	49.00	0.11	0.026	*		
	SB - Beneficial Use	City of Naga, Cebu	Langtad	167.00	8.15	6.29	*	5.00	29.68	60.00	0.07	0.021	*		
Panglao Island Coastal Waters (Panglao Stations)	SB - Beneficial Use	Fronting Bellevue Resort	Doljo 1	152.00	Minimum: 7.29	Minimum: 1.65	*	Minimum: <5.00	29.28	Minimum: 29.21	Minimum: 15.00	Minimum: 0.02	Minimum: 0.0018	*	Total suspended solids concentration has exceeded the maximum allowable limit for Class SB waterbodies at 50 mg/L. Tidal action in the monitoring stations have great impact to the TSS Concentration. Highest TSS concentration was detected in the month of October. Strong tidal action was observed at the time of monitoring due to a low pressure.
	SB - Beneficial Use	Fronting Muro Arni	Doljo 2	398.00	Average: 8.14	Average: 7.87	*	Average: 29.56	29.25	Average: 29.56	Average: 60.17	Average: 0.07	Average: 0.025	*	
	SB - Beneficial Use	FrontingLinaw	Danao 1	166.00	Maximum: 9.52	Maximum: 29.01	*	Maximum: 29.60	29.60	Maximum: 29.60	Maximum: 29.00	Maximum: 0.28	Maximum: 0.069	*	
	SB - Beneficial Use	Fronting Bohol Divers Resort	Danao 2	453.00	Criteria: 7.0-8.5	Criteria: 6.0	*	Criteria: 50	29.59	29.71	Criteria: 50	Criteria: 10	Criteria: 0.2	*	
	SB - Beneficial Use	Fronting Lost Horizon	Danao 3	466.00	PASSED	PASSED	*	PASSED	29.06	29.06	FAILED	PASSED	PASSED	*	
	SB - Beneficial Use	Fronting Alona Kew White Beach Resort	Tawala 1	560.00	Minimum: 7.21	Minimum: 2.80	*	Minimum: <5	29.03	29.03	Minimum: 14.00	Minimum: 0.02	Minimum: 0.018	*	
	SB - Beneficial Use	Fronting Alona Tropical	Tawala 2	480.00	Average: 8.12	Average: 6.36	*	Average: 29.04	29.06	Average: 29.04	Average: 47.93	Average: 0.1325	Average: 0.025	*	
	SB - Beneficial Use	Fronting Amorita	Tawala 3	841.00	Maximum: 8.98	Maximum: 11.81	*	Maximum: 29.41	29.06	29.04	Maximum: 141.00	Maximum: 0.54	Maximum: 0.090	*	
	SB - Beneficial Use	Fronting Dumaluan I	Bolod 1	244.00	Criteria: 7.0-8.5	Criteria: 6.0	*	Criteria: 50	29.06	29.06	Criteria: 50	Criteria: 10	Criteria: 0.2	PASSED	
	SB - Beneficial Use	Fronting Dumaluan II	Bolod 2	299.00	PASSED	PASSED	*	PASSED	29.03	29.03	FAILED	PASSED	PASSED	*	
Panglao Island Coastal Waters (Daus Stations)	SB - Beneficial Use	Fronting Flushing Meadows Resort and Playground	Dao	213.25	Minimum: 7.21	Minimum: 2.80	*	Minimum: <5	28.95	28.95	Minimum: 14.00	Minimum: 0.02	Minimum: 0.018	*	Results reveal that the average for the period are within the allowable levels for Class SB waterbodies.
	SB - Beneficial Use	Fronting San Isidro Beach	San Isidro	168.46	Average: 8.12	Average: 6.36	*	Average: 29.04	28.91	Average: 29.04	Average: 47.93	Average: 0.1325	Average: 0.025	*	
	SB - Beneficial Use	Fronting Bikini Beach	Biking	288.43	Maximum: 8.98	Maximum: 11.81	*	Maximum: 29.41	29.04	29.04	Maximum: 141.00	Maximum: 0.54	Maximum: 0.090	*	
	SB - Beneficial Use	Near Mithi Resort and Spa	Bingag	304.69	Criteria: 7.0-8.5	Criteria: 6.0	*	Criteria: 50	29.41	29.41	Criteria: 50	Criteria: 10	Criteria: 0.2	*	
	SB - Beneficial Use	Near Songculan Bridge	Songkulan	353.41	Criteria: 7.0-8.5	Criteria: 6.0	*	Criteria: 50	29.32	29.32	Criteria: 50	Criteria: 10	Criteria: 0.2	*	
SB - Beneficial Use	Fronting the Badjao Community in Daus	Totolan	716.21	Criteria: 7.0-8.5	Criteria: 6.0	*	Criteria: 50	29.53	29.53	Criteria: 50	Criteria: 10	Criteria: 0.2	PASSED		

Note: (*) The parameter is not applicable

Source: Environmental Management Bureau-7

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