



AUG 02 2021

DENR Administrative Order
No. 2021- 24

SUBJECT : DESIGNATION OF PANGLAO ISLAND COASTAL WATERS AS A WATER QUALITY MANAGEMENT AREA (WQMA) AND CREATION OF ITS GOVERNING BOARD

Pursuant to Section 5 of the Philippine Clean Water Act of 2004 (R.A. No. 9275) together with the pertinent provisions in its Implementing Rules and Regulations (DENR Administrative Order No. 2005-10) and DENR Memorandum Circular No. 15, series of 2009, and considering the critical importance to Tagbilaran City and the Municipalities of Dauis and Panglao, Panglao Island Coastal Waters in Bohol is hereby designated as Water Quality Management Area (WQMA).

Section 1. Policy and Objectives. It is the policy of the State to pursue economic growth in a manner consistent with the protection, preservation and revival of the quality of our fresh, brackish and marine water. Pursuant to this policy statement, this Order aims at protecting and improving the water quality of Panglao Island Coastal Waters to make it a sustaining resource for the people of Tagbilaran City, and the Municipalities of Dauis and Panglao, Bohol consistent with the following water quality management objectives:

- a) To improve and maintain the water quality of Panglao Island Coastal Waters and thereby contribute to the enhancement of Tagbilaran City and the municipalities of Dauis and Panglao as tourism and economic destinations, and serve the best interest of the communities and stakeholders;
- b) To formulate a WQMA program which recognizes that water quality management issues are inherently related and cannot be detached from concerns on liquid, solid, and hazardous wastes, water sources, ecological protection, water supply, public health and quality of life.
- c) To mobilize, encourage and support civil society and other sectors, including the academe and businesses engaged in environment-related activities in their efforts to organize, educate and motivate the people in addressing pertinent environmental issues and problems in the WQMA;
- d) To promote inter-LGU and stakeholder collaboration and cooperation through coordinated efforts in protecting and sustaining acceptable quality of water in Panglao Island Coastal Waters.
- e) Support the establishment of septage, sewage and sewerage management programs for the protection of the environment and public health.

Section 2. Scope and Coverage. The Panglao Island Coastal Waters WQMA, with a total area of 18,174.29 hectares, shall cover the Panglao Island Coastal Waters, the natural or man-made tributaries in Panglao Island that drain into the coastal waters are within the WQMA boundary including the land embraced by the hydrologic unit identified through various maps.

The WQMA is bounded by the following geographic coordinates which are consistent with the map in Annex A:

Boundary Control Point	LGU with Jurisdiction	LATITUDE	LONGITUDE
1	Along boundary of Panglao Bay Reef Flat, Doljo, Panglao	9°34'49.72" N	123°42'39.99" E
2	Along boundary of Panglao Bay Reef Flat, Doljo, Panglao	9°33'52.42" N	123°42'42.33" E
3	Along boundary of Panglao Bay Reef Flat, Doljo, Panglao	9°33'05.61" N	123°42'12.44" E
4	Coastal Waters connecting Mainland Panglao and Balicasag Island, Panglao	9°32'30.19" N	123°41'29.04" E
5	Coastal Waters Northwest of Balicasag Island, Panglao	9°31'38.19" N	123°40'39.84" E
6	Coastal Waters Southwest of Balicasag Island, Panglao	9°30'25.26" N	123°40'39.40" E
7	Coastal Waters East of Balicasag Island, Panglao	9°30'58.97" N	123°41'55.10" E
8	Coastal Waters connecting Mainland Panglao and Balicasag Island, Panglao	9°31'35.71" N	123°42'21.78" E
9	Along boundary of Panglao Bay Reef Flat, Danao, Panglao	9°32'24.48" N	123°42'27.23" E
10	Along boundary of Panglao Bay Reef Flat, Danao, Panglao	9°32'42.60" N	123°43'48.67" E
11	Along boundary of Panglao Bay Reef Flat, Danao, Panglao	9°32'28.17" N	123°44'38.69" E
12	Coastal Waters along Barangay Danao, Panglao	9°32'11.75" N	123°45'44.09" E
13	Coastal Waters along Barangay Tawala, Panglao	9°32'21.10" N	123°46'24.30" E
14	Coastal Waters along Barangay Tawala, Panglao	9°32'29.80" N	123°47'08.66" E
15	Coastal Waters along Barangay Bolod, Panglao	9°32'33.59" N	123°47'55.48" E
16	Coastal Waters along Barangay Bolod, Panglao	9°33'08.63" N	123°48'50.37" E
17	Coastal Waters along Barangay Libaong, Panglao	9°33'56.39" N	123°49'35.35" E
18	Coastal Waters along Barangay San Isidro, Dauis	9°34'40.85" N	123°50'35.46" E
19	Coastal Waters along Barangay Biking, Dauis	9°35'00.53" N	123°51'45.54" E
20	Coastal Waters along Barangay Catarman, Dauis	9°35'59.98" N	123°52'38.97" E
21	Coastal Waters along Barangay	9°36'58.90" N	123°52'42.76" E

	Mayacabac, Dausi		
22	Coastal Waters between Dausi and Tagbilaran City, near Baclayon boundary	9°37'33.72" N	123°52'50.99" E
23	Bool, Tagbilaran City	9°37'29.99" N	123°53'17.99" E
24	Bool, Tagbilaran City	9°37'31.22" N	123°53'19.10" E
25	Bool, Tagbilaran City	9°37'49.36" N	123°53'18.73" E
26	Bool, Tagbilaran City	9°38'4.78" N	123°53'18.42" E
27	Bool, Tagbilaran City	9°38'31.38" N	123°53'17.88" E
28	Dampas, Tagbilaran City	9°39'5.58" N	123°53'17.09" E
29	Dampas, Tagbilaran City	9°39'23.70" N	123°53'17.12" E
30	San Isidro, Tagbilaran City	9°39'55.33" N	123°53'17.56" E
31	San Isidro, Tagbilaran City	9°40'18.552" N	123°53'18.276" E
32	San Isidro, Tagbilaran City	9°40'47.59" N	123°53'18.61" E
33	San Isidro, Tagbilaran City	9°40'56.28" N	123°53'18.78" E
34	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'31.78" N	123°53'22.24" E
35	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'34.94" N	123°53'15.83" E
36	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'39.61" N	123°53'11.22" E
37	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'38.15" N	123°53'7.66" E
38	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'37.68" N	123°53'5.86" E
39	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'38.15" N	123°53'4.02" E
40	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'39.37" N	123°53'0.31" E
41	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'38.62" N	123°52'57.97" E
42	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'36.96" N	123°52'56.03" E
43	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'39.52" N	123°52'51.71" E
44	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'37.90" N	123°52'50.09" E
45	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'38.57" N	123°52'48.61" E
46	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'41.17" N	123°52'45.98" E
47	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'48.91" N	123°52'46.63" E
48	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'49.66" N	123°52'43.66" E
49	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'52.37" N	123°52'37.70" E
50	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'55.36" N	123°52'34.14" E
51	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'54.14" N	123°52'32.28" E
52	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'51.83" N	123°52'32.12" E

53	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'51.18" N	123°52'28.88" E
54	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'50.06" N	123°52'26.94" E
55	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'47.61" N	123°52'28.02" E
56	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'44.88" N	123°52'26.75" E
57	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'43.37" N	123°52'23.45" E
58	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'43.91" N	123°52'19.75" E
59	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'43.21" N	123°52'16.74" E
60	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'38.24" N	123°52'14.28" E
61	Tiptip, Tagbilaran city, near Cortes Boundary	9°41'37.21" N	123°52'11.65" E
62	Manga, Tagbilaran City	9°41'40.08" N	123°51'49.23" E
63	Manga, Tagbilaran City	9°41'40.59" N	123°51'47.41" E
64	Manga, Tagbilaran City	9°41'47.14" N	123°51'46.53" E
65	Manga, Tagbilaran City	9°41'49.23" N	123°51'44.55" E
66	Manga, Tagbilaran City	9°41'52.46" N	123°51'44.90" E
67	Manga, Tagbilaran City	9°41'53.11" N	123°51'44.42" E
68	Manga, Tagbilaran City	9°41'54.34" N	123°51'45.01" E
69	Manga, Tagbilaran City	9°41'55.60" N	123°51'45.32" E
70	Manga, Tagbilaran City	9°41'59.56" N	123°51'45.08" E
71	Manga, Tagbilaran City	9°42'0.74" N	123°51'43.50" E
77	Coastal Waters along Manga, Tagbilaran City	9°42'25.15" N	123°51'20.88" E
78	Coastal Waters along Manga, Tagbilaran City	9°42'0.37" N	123°50'41.90" E
79	Coastal Waters along Taloto, Tagbilaran City	9°41'21.81" N	123°50'32.91" E
80	Coastal Waters along Taloto, Tagbilaran City	9°40'50.75" N	123°50'14.38" E
81	Coastal Waters along Taloto, Tagbilaran City	9°40'10.61" N	123°50'0.13" E
82	Coastal Waters along Barangay Sonculan, Dauis across Booy, Tagbilaran City	9°39'10.82" N	123°50'05.84" E
83	Coastal Waters along Barangay Tabalong, Dauis	9°38'46.18" N	123°49'23.66" E
84	Coastal Waters along Barangay Bingag, Dauis	9°38'10.85" N	123°48'16.57" E
85	Coastal Waters along Barangay Bingag, Dauis	9°37'58.30" N	123°47'11.22" E
86	Coastal Waters along Barangay Tangnan, Panglao	9°37'41.15" N	123°46'25.35" E
87	Coastal Waters along Barangay Tangnan, Panglao	9°37'14.87" N	123°45'45.13" E
77	Coastal Waters along Barangay Bilisan, Panglao	9°36'33.27" N	123°45'07.05" E
78	Coastal Waters along Barangay Looc,	9°36'00.51" N	123°44'12.42" E

	Panglao		
79	Coastal Waters along Barangay Doljo, Panglao	9°35'52.11" N	123°43'41.27" E
80	Coastal Waters along Barangay Doljo, Panglao	9°35'39.86" N	123°42'41.01" E

Section 3. Political / Administrative Jurisdiction. As determined by the DENR – EMB Region VII, the political / administrative jurisdiction of the Panglao Island Coastal Waters Water Quality Management Area encompasses the following areas in Tagbilaran City and the Municipalities of Dausis and Panglao in Bohol Province:

Municipality / City	Barangay
Dausis	Biking
	Bingag
	Catarman
	Dao
	Mariveles
	Mayacabac
	Poblacion
	San Isidro
	Songculan
	Tabalong
	Tinago
	Totolan
Panglao	Bil-isan
	Bolod
	Danao
	Doljo
	Libaong
	Looc
	Lourdes
	Poblacion
	Tangnan
	Tawala
	Bool
Tagbilaran City	Cabawan
	Cogon
	Dampas
	Dao
	Manga
	Mansasa
	Poblacion I
	Poblacion II
	Poblacion III
	San Isidro
	Taloto
	Tiptip
	Ubujan

Section 4. Creation of the WQMA Governing Board. A WQMA Governing Board to be chaired by the Regional Director of the Environmental Management Bureau, Region VII, is hereby created and shall have the following members:

- a) Representative of the National Water Resources Board (NWRB)
- b) Representative of the Governor, Province of Bohol
- c) The Mayor of the City / Municipality or their duly authorized representative of the following;
 - 1) Municipality of Dauis
 - 2) Municipality of Panglao
 - 3) Tagbilaran City
- d) Representatives of the following Regional Offices in Region VII
 - 1) Department of Tourism;
 - 2) Department of the Interior and Local Government;
 - 3) Department of Public Works and Highways;
 - 4) Department of Health;
 - 5) Department of Social Work and Development;
 - 6) Department of Science and Technology;
 - 7) Department of Human Settlements and Urban Development;
 - 8) Department of Budget and Management;
 - 9) National Economic and Development Authority;
 - 10) Bureau of Fisheries and Aquatic Resources;
 - 11) Philippine Ports Authority; and
 - 12) Regional Development Council
- e) Regional Representative of the following;
 - 1) Duly registered Non-Government Organization/ Local People's Organization/ Civil Society involved in Natural Resource Management or Environment Concerns
 - 2) Water Utility
 - 3) Business /Industry
 - 4) Academe
 - 5) Association of Barangay Captains;
- f) Representative of the Fisheries and Aquatic Resources Management Council/s.

The Board may also invite representatives from the Philippine Coast Guard and the Philippine National Police, among others to participate in the deliberations of the Board as needed.

The terms, vacancy and reimbursement of expenses of the Governing Board shall be governed by DENR Administrative Order No. 2005-10. The Local Chief Executives and Head of Office may appoint/ authorize representatives to the Board, provided that he/she shall be able to make commitments on behalf of his/her agency; Provided, further that the LGU representative in

another WQMA shall also serve as its representative in the Panglao Island Coastal Waters WQMA.

Representatives from the business sector and peoples' organizations/non-government organizations/civil society shall be designated in accordance with the procedure and requirements laid down in DAO 2005-10.

Section 5. Functions of the Governing Board. The Governing Board shall have the following functions:

- a) Formulate the Governing Rules that will ensure management effectiveness of the WQMA Governing Board;
- b) Elect other officers and create working committees within the Board that are deemed necessary for the effective implementation of WQMA policies, programs, and activities; and
- c) Review and adopt the WQMA Action Plan drafted by the EMB Region VII in accordance to the Integrated Water Quality Management Framework and prepare a common and integrated compliance scheme. Thereafter, prepare the succeeding action plans for the submission to the DENR;
- d) Together with EMB Region VII, assist the Local Government Units in preparing the LGU Compliance Scheme to implement the WQMA Action Plan and drafting legislation to protect Panglao Island Coastal Waters and promote overall environmental improvement in the WQMA;
- e) Monitor and facilitate the compliance to the WQMA Action Plan by the local governments;
- f) Formulate strategies to harmonize policies/ regulations/ local legislation necessary for the effective implementation of R.A. 9275 in accordance with those established in the Integrated Water Quality Management Framework;
- g) Coordinate relevant activities among its members and member agencies and facilitate resolution of conflicts; and
- h) Undertake complementary interventions for non-point sources, considering their greater contribution to pollution.
- i) Undertake projects that will complement national and local initiatives for water pollution control;
- j) Solicit financial, and non-financial support from other parties, both local and international, subject to existing applicable regulations;
- k) Initiate and/or coordinate information dissemination activities pertaining to Panglao Island Coastal Waters WQMA;

l) Prepare and publish on a regular basis, a Water Quality Status Report for the WQMA and submit a copy thereof to the EMB Region VII and to the EMB Central Office to be consolidated into the national Water Quality Status Report;

m) Manage efficiently and judiciously the Area Water Quality Management Fund.

Section 6. Governing Rules. The Governing Board shall formulate its own Governing Rules based on applicable and pertinent laws, policies, rules and regulations. Based on the Governing Rules, the Governing Board may elect at least one Co-chair, create standing committees as may be necessary to carry out the Board's functions, and designate their respective chairs.

Section 7. Meetings. The Governing Board shall meet quarterly or as often as may be required pursuant to its Governing Rules.

Section 8. Technical Working Group and Technical Secretariat. The Governing Board, pursuant to DENR Administrative Order No. 2005-10 and under the governing rules shall form a technical Working Group (TWG) or Committees to ensure broad-based participation of all stakeholders in the work of the Governing Board. The TWG shall perform the following functions:

- a) Provide guidance to the WQMA Governing Board in the operationalization of the designated WQMA,
- b) Assist the Governing Board in preparation of the annual work program and financial plans,
- c) Provide technical inputs in the review of the draft WQMA Action Plan (initially prepared by the EMB Regional Office), and in tracking and monitoring of compliance to the WQMA Action Plan, and
- d) Perform other functions to be assigned by the Governing Board.

The Governing Board shall likewise create a Technical Secretariat of the WQMA, which shall be based at the EMB-Region VII, DENR.


Section 9. Multi-Sectoral Group. In accordance with DENR Administrative Order No. 2005-10, the Governing Board shall create a Multi-Sectoral Group for water quality monitoring and surveillance network, composed of representatives nominated by the members of the Governing Board. Said group shall augment and complement monitoring and reporting efforts of the DENR/EMB.

Section 10. Re-designation of WQMA. When necessary, and only after undertaking necessary studies and conducting consultations with relevant local government authorities, the Secretary of the DENR, upon recommendation of the EMB, shall revise the designation of WQMA, re-adjust its boundaries or reconstitute its membership for adequate representation.

Section 11. Amendments and Revisions. Amendments or revisions of any of the provisions of this order shall be upon consultation with the concerned stakeholders in accordance with existing policies on the matter.

Section 12. Separability Clause. Should any of the provisions of this Order be subsequently declared invalid or null and void, the validity of the other provisions not affected shall not be impaired and shall remain to be in full force and effect.

Section 13. Effectivity. This Order shall take effect fifteen (15) days after its publication in a newspaper of general circulation and its registration with the Office of the National Administrative Registry (ONAR).


ROY A. CIMATU
Secretary



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November 09, 2021

Acknowledgement: U.P. Law Center
November 10, 2021

ANNEX "A"
PANGLAO ISLAND COASTAL WATERS
WATER QUALITY MANAGEMENT AREA

