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**DENR Administrative Order**

No. 2009-12

Series of 2009

Subject: **Designation of the Sarangani Bay Water Quality Management Area 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 considering the critical importance of complying with water quality guidelines by the Sarangani Bay, the same is hereby designated as Water Quality Management Area (WQMA).

**Section 1. Objective and Policies.** To ensure water quality in Sarangani Bay for present and future generations consistent with the following policies:

- a) To streamline the processes and procedures in the prevention, control and abatement of pollution in the WQMA;
- b) To promote environmental strategies, the use of appropriate economic instruments and control mechanisms for the protection of the WQMA;
- c) To formulate a WQMA program on water quality management which recognizes that water quality management issues are inherently related and cannot be detached from concerns on water sources, ecological protection, water supply, public health and quality of life;
- d) To provide for a comprehensive management program for water pollution focusing on pollution prevention in the WQMA;
- e) To promote public information and education for stakeholders of the WQMA and encourage the participation of an informed and concerned public in water quality management and monitoring; and
- f) To encourage civil society and other sectors, particularly labor, the academe and businesses undertaking environment-related activities in their efforts to organize, educate and motivate the people in addressing pertinent environmental issues and problems in the WQMA.

**Section 2. Coverage.** The Sarangani Bay WQMA shall be comprised of the Inner Sarangani Bay, its rivers and tributaries that are within the WQMA boundary including the coastal land adjacent to the Bay having an elevation of 0 to 100 meters above sea level (m.a.s.l.). This extends landward towards nearest topographic contour with value of 100 m.a.s.l. perpendicular from the shoreline.

For purposes of designating the Sarangani Bay WQMA boundaries, the following are the geographic coordinates of the WQMA:

<b>PT</b>	<b>Easting</b>	<b>Northing</b>
1	125° 5'11.13"E	5°52'27.95"N
2	125° 4'9.66"E	5°52'59.18"N
3	125° 4'1.92"E	5°53'7.99"N
4	125° 4'8.46"E	5°54'0.34"N
5	125° 4'24.88"E	5°54'39.74"N
6	125° 4'48.92"E	5°54'58.09"N
7	125° 5'33.95"E	5°55'18.01"N
8	125° 4'59.32"E	5°56'49.51"N
9	125° 5'9.13"E	5°56'56.31"N
10	125° 5'21.73"E	5°57'11.94"N
11	125° 5'23.64"E	5°57'28.60"N
12	125° 5'2.26"E	5°57'36.97"N
13	125° 4'14.80"E	5°57'42.45"N
14	125° 3'8.08"E	5°57'43.70"N
15	125° 2'32.59"E	5°57'54.37"N
16	125° 2'32.81"E	5°58'5.73"N
17	125° 3'31.26"E	5°58'8.40"N
18	125° 3'44.36"E	5°58'18.17"N
19	125° 4'5.57"E	5°58'7.97"N
20	125° 5'12.76"E	5°57'59.24"N
21	125° 5'52.81"E	5°59'13.50"N
22	125° 6'27.24"E	6° 1'7.02"N
23	125° 7'1.18"E	6° 2'36.47"N
24	125° 7'5.30"E	6° 3'47.89"N
25	125° 6'49.23"E	6° 6'59.90"N
26	125° 7'14.48"E	6° 8'27.68"N
27	125° 8'8.20"E	6° 9'31.26"N
28	125° 8'23.29"E	6° 9'30.97"N
29	125° 8'26.03"E	6°10'6.36"N
30	125° 9'2.35"E	6°10'7.23"N
31	125° 9'43.58"E	6°10'50.55"N
32	125°10'10.35"E	6°11'2.56"N
33	125°10'28.22"E	6°11'4.06"N
34	125°10'50.83"E	6°11'22.73"N
35	125°11'1.95"E	6°11'58.98"N
36	125°11'23.24"E	6°12'53.27"N
37	125°11'50.41"E	6°12'55.20"N
38	125°12'13.96"E	6°13'5.83"N
39	125°12'35.95"E	6°13'50.40"N
40	125°13'46.50"E	6°14'57.51"N

<b>PT</b>	<b>Easting</b>	<b>Northing</b>
41	125°14'8.81"E	6°14'32.57"N
42	125°14'24.97"E	6°14'55.92"N
43	125°14'57.85"E	6°14'50.24"N
44	125°15'31.66"E	6°14'48.58"N
45	125°15'44.54"E	6°14'57.61"N
46	125°16'0.08"E	6°15'34.25"N
47	125°16'5.57"E	6°16'22.66"N
48	125°16'14.20"E	6°16'37.26"N
49	125°16'21.46"E	6°16'34.22"N
50	125°16'13.25"E	6°16'16.27"N
51	125°16'19.29"E	6°16'8.67"N
52	125°16'34.12"E	6°15'29.45"N
53	125°16'15.51"E	6°14'49.41"N
54	125°16'10.49"E	6°13'51.39"N
55	125°15'54.57"E	6°13'49.33"N
56	125°15'26.50"E	6°12'42.48"N
57	125°15'52.09"E	6°12'19.97"N
58	125°16'25.91"E	6°12'55.67"N
59	125°16'28.67"E	6°13'30.93"N
60	125°16'27.69"E	6°13'38.69"N
61	125°16'41.83"E	6°13'47.79"N
62	125°16'51.31"E	6°14'4.31"N
63	125°17'3.23"E	6°14'8.72"N
64	125°17'22.36"E	6°14'5.89"N
65	125°17'11.35"E	6°13'54.26"N
66	125°17'1.52"E	6°13'58.88"N
67	125°17'0.60"E	6°13'38.83"N
68	125°16'48.13"E	6°13'27.61"N
69	125°16'54.48"E	6°13'10.84"N
70	125°17'1.76"E	6°12'39.30"N
71	125°16'51.20"E	6°11'57.98"N
72	125°16'58.57"E	6°11'39.29"N
73	125°17'48.16"E	6°12'1.73"N
74	125°17'52.40"E	6°11'52.07"N
75	125°17'9.51"E	6°10'45.75"N
76	125°17'20.98"E	6°10'45.92"N
77	125°17'30.95"E	6°10'37.67"N
78	125°18'20.38"E	6°11'10.25"N
79	125°18'27.72"E	6°10'57.95"N
80	125°18'16.30"E	6°10'30.18"N
81	125°18'2.03"E	6°10'2.74"N
82	125°18'12.65"E	6°9'40.15"N
83	125°17'56.35"E	6°8'46.17"N
84	125°18'19.98"E	6°7'43.94"N
85	125°18'38.82"E	6°7'12.52"N
86	125°18'19.63"E	6°5'44.37"N
87	125°17'54.32"E	6°4'50.70"N
88	125°18'15.93"E	6°4'26.94"N
89	125°18'35.37"E	6°4'42.71"N

<b>PT</b>	<b>Easting</b>	<b>Northing</b>
90	125°18'50.67"E	6° 4'38.63"N
91	125°18'56.25"E	6° 5'0.59"N
92	125°19'11.91"E	6° 4'56.34"N
93	125°19'14.94"E	6° 4'38.98"N
94	125°18'54.35"E	6° 4'9.35"N
95	125°18'57.30"E	6° 3'54.89"N
96	125°18'22.25"E	6° 3'51.16"N
97	125°18'32.35"E	6° 3'14.81"N
98	125°19'1.69"E	6° 3'17.94"N
99	125°19'32.27"E	6° 3'1.10"N
100	125°19'40.84"E	6° 2'47.56"N
101	125°18'43.21"E	6° 2'37.23"N
102	125°19'11.10"E	6° 1'17.94"N
103	125°18'50.89"E	6° 0'36.39"N
104	125°19'3.80"E	6° 0'24.26"N
105	125°19'57.52"E	6° 0'24.03"N
106	125°20'15.74"E	5°59'40.61"N
107	125°18'44.54"E	5°59'47.49"N
108	125°17'53.52"E	5°59'15.81"N
109	125°17'48.34"E	5°58'45.17"N
110	125°18'4.00"E	5°57'37.10"N
111	125°18'48.93"E	5°57'11.96"N
112	125°18'41.09"E	5°56'55.43"N
113	125°17'55.72"E	5°56'45.13"N
114	125°17'55.92"E	5°57'9.77"N
115	125°17'34.61"E	5°56'58.01"N
116	125°16'59.45"E	5°57'7.04"N
117	125°16'25.10"E	5°56'40.37"N
118	125°16'14.70"E	5°56'17.56"N
119	125°16'20.21"E	5°55'58.59"N
120	125°17'16.19"E	5°56'6.04"N
121	125°17'34.74"E	5°54'57.46"N
122	125°17'59.96"E	5°54'28.86"N
123	125°17'56.70"E	5°54'7.60"N
124	125°17'4.03"E	5°54'29.02"N
125	125°16'15.73"E	5°54'8.46"N
126	125°16'10.93"E	5°53'19.96"N
127	125°15'45.77"E	5°53'29.67"N
128	125°15'48.34"E	5°53'39.82"N
129	125°15'19.67"E	5°53'41.88"N
130	125°15'10.07"E	5°54'4.64"N
131	125°15'0.83"E	5°54'22.37"N
132	125°14'49.43"E	5°54'27.94"N
133	125°14'15.56"E	5°54'8.19"N
134	125°14'20.66"E	5°53'52.29"N
135	125°14'37.00"E	5°54'0.05"N
136	125°14'52.83"E	5°53'50.44"N
137	125°14'38.08"E	5°53'39.17"N
138	125°14'6.19"E	5°53'27.33"N

<b>PT</b>	<b>Easting</b>	<b>Northing</b>
139	125°13'44.16"E	5°53'11.42"N
140	125°13'11.02"E	5°53'9.84"N
141	125°13'4.97"E	5°53'1.48"N
142	125°13'12.40"E	5°52'55.28"N
143	125°13'59.13"E	5°52'40.05"N
144	125°13'55.19"E	5°51'50.84"N
145	125°14'7.88"E	5°51'28.90"N
146	125°14'1.72"E	5°50'41.13"N
147	125°14'29.20"E	5°50'8.40"N
148	125°13'57.11"E	5°50'9.75"N
149	125°13'58.05"E	5°49'32.44"N
150	125°15'0.28"E	5°49'15.73"N
151	125°15'56.31"E	5°49'5.11"N
152	125°16'33.79"E	5°49'4.86"N
153	125°16'50.66"E	5°48'57.61"N
154	125°16'55.98"E	5°48'43.58"N
155	125°16'40.60"E	5°48'36.92"N
156	125°16'54.96"E	5°48'18.46"N
157	125°17'5.57"E	5°48'0.70"N
158	125°17'31.27"E	5°48'33.79"N
159	125°17'44.69"E	5°48'36.09"N
160	125°17'55.13"E	5°48'57.92"N
161	125°18'17.20"E	5°48'51.67"N
162	125°18'46.72"E	5°48'46.79"N
163	125°19'28.22"E	5°49'53.18"N
164	125°20'4.99"E	5°50'0.66"N
165	125°20'8.01"E	5°49'57.16"N
166	125°19'38.63"E	5°49'46.40"N
167	125°19'41.56"E	5°49'15.83"N
168	125°19'20.66"E	5°48'42.84"N
169	125°20'6.41"E	5°48'15.86"N
170	125°20'4.38"E	5°48'10.50"N
171	125°19'46.43"E	5°48'3.11"N
172	125°19'14.81"E	5°48'12.29"N
173	125°18'48.59"E	5°48'16.84"N
174	125°18'35.91"E	5°48'33.73"N
175	125°18'21.97"E	5°48'40.05"N
176	125°17'50.32"E	5°48'16.37"N
177	125°17'30.47"E	5°47'56.66"N
178	125°16'54.39"E	5°47'25.83"N
179	125°16'29.64"E	5°47'36.53"N
180	125°16'5.61"E	5°48'14.56"N
181	125°14'54.01"E	5°48'35.64"N
182	125°15'8.86"E	5°47'51.23"N
183	125°15'3.97"E	5°47'46.46"N
184	125°14'54.99"E	5°48'5.18"N
185	125°14'39.92"E	5°48'8.49"N
186	125°14'33.71"E	5°48'0.67"N
187	125°14'25.04"E	5°48'5.33"N

<b>PT</b>	<b>Easting</b>	<b>Northing</b>
188	125°14'28.17"E	5°48'26.44"N
189	125°14'16.72"E	5°48'35.60"N
190	125°14'5.25"E	5°48'19.70"N
191	125°13'37.17"E	5°48'17.69"N
192	125°13'40.25"E	5°47'56.94"N
193	125°13'59.55"E	5°47'34.05"N
194	125°14'9.46"E	5°47'29.79"N
195	125°14'21.94"E	5°47'1.26"N
196	125°14'1.73"E	5°46'58.04"N
197	125°13'55.43"E	5°47'19.18"N
198	125°13'37.46"E	5°47'26.74"N
199	125°13'13.58"E	5°47'20.51"N
200	125°12'21.46"E	5°47'38.08"N
201	125°12'18.60"E	5°47'49.96"N
202	125°12'28.18"E	5°48'5.66"N
203	125°12'37.18"E	5°48'29.49"N
204	125°12'33.47"E	5°48'41.66"N
205	125°12'18.79"E	5°48'13.05"N
206	125°11'54.05"E	5°48'22.75"N
207	125°11'44.43"E	5°48'41.78"N
208	125°11'10.74"E	5°48'42.29"N
209	125°11'4.58"E	5°48'55.84"N
210	125°11'3.01"E	5°49'19.92"N
211	125°10'53.77"E	5°49'21.81"N
212	125°10'45.09"E	5°50'19.56"N

The province, city, municipalities, and barangays included in the Sarangani WQMA are the following:

<b>Region</b>	<b>Province</b>	<b>Municipality/City</b>	<b>Barangay</b>
XII		General Santos City	Apopong, Baluan, Batomelong, Buayan, Bula, Calumpang, City Heights, Conel, Dadiangas East, Dadiangas North, Dadiangas South, Dadiangas West, Katangawan, Labangal, Lagao, Ligaya, San Isidro, Siguel, Tambler, Tinagacan, Fatima
	Sarangani	Maasim	Tinoto
		Alabel	Alegria, Bagacay, Baluntay, Domolok, Kawas, Maribulan, Poblacion, Spring, Tokawal
		Malapatan	Libi, Lun Masla, Lun Padidu, Poblacion, Sapu Masla, Sapu Padidu, Tuyan
		Glan	Calabanit, Glan Padidu, Ilaya, Kapatan, Lago, Poblacion, San Vicente, Taluya, Tango, Tapo

**Section 3. Designation of the Governing Board.** The Governing Board to be chaired by the Environmental Management Bureau (EMB) Regional Director (RD) of DENR-Region XII shall have the following members:

1. Representative of the National Water Resources Board;
2. Representative of the Governor, Province of Sarangani;
3. Representative of the respective Mayors of the following City and Municipalities :
  - a. City of General Santos
  - b. Municipality of Alabel
  - c. Municipality of Maasim
  - d. Municipality of Malapatan
  - e. Municipality of Glan
4. Representative of the following Regional Offices in Region XII;
  - a. Department of Agriculture
  - b. Department of the Interior and Local Government
  - c. National Economic and Development Authority
  - d. Department of Public Works and Highways
  - e. Department of Health
  - f. Department of Trade and Industry
  - g. Department of Science and Technology
5. Regional Representative of the following sectors:
  - a. Business/Industry
  - b. Water Utility
  - c. Local People's Organization/ Non-Government Organization/ Civil Society involved in Natural Resource Management or Environmental Concerns
  - d. Academe
  - e. Indigenous Peoples
6. Representative from the PAMB; and
7. Representative from the FARMC.

The terms, vacancy and compensation of the Governing Board shall be governed by DAO 2005-10. The Local Chief Executives and Head of Offices may appoint/authorize representatives to the Board, provided that he/she shall be able to make commitments.

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 therein.

**Section 4. Functions of the Governing Board.** The Governing Board shall have the following functions:

- a) Prepare and publish on a regular basis a Water Quality Status Report for the WQMA and submit a copy thereof to the EMB-Central Office to be consolidated into the National Water Quality Status Report;

- b) Formulate strategies to harmonize policies/regulations/local legislation necessary for the effective implementation of R.A. No. 9275 in accordance with those established in the Integrated Water Quality Management Framework;
- c) Review the initial WQMA Action Plan prepared by the EMB Regional Office concerned and draft a common and integrated compliance plan. The Board shall consequently prepare and adopt an Action Plan for the succeeding periods to be submitted to the EMB Regional Office concerned for review for subsequent approval by the DENR Secretary;
- d) Monitor and facilitate the compliance to the WQMA Action Plan by the local governments;
- e) Coordinate relevant activities among its members and member agencies and facilitate resolution of conflicts; and
- f) Undertake complementary interventions for non-point sources, considering their greater contribution to pollution.

**Section 5. Governing Rules.** The Governing Board shall formulate its own Governing Rules based on applicable and pertinent laws, policies, rules and regulations.

**Section 6. Meetings.** The Governing Board shall meet quarterly or as often as may be required pursuant to its Governing Rules.

**Section 7. Technical Working Group and Technical Secretariat.** The Governing Board pursuant to the governing rules shall form a Technical Working Group (TWG) to ensure broad-based participation of all the stakeholders in the work of the Governing Board.

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

**Section 8. Multi-Sectoral Group.** The Governing Board shall create a Multi-Sectoral group for water quality monitoring and surveillance network. Said group shall augment and complement monitoring and reporting efforts of the DENR.

**Section 9. Amendments and Revisions.** Amendments or revisions of any of the provisions hereof shall be upon consultation with the concerned stakeholders in accordance with existing policies on the matter and subject to the written approval of all the parties thereto.

**Section 10. 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 11. Re-adjustment of Boundaries, Re-designation of WQMA and Reconstitution of Membership.** The re-adjustment of the boundaries of WQMA could be undertaken only after the requisite technical studies and consultations with the Local Government Units (LGUs) concerned. In the event that re-designation of WQMA becomes



necessary, said re-designation should likewise be based on the proposal, and aforesaid technical studies and consultations. The reconstitution of membership and representations in the Governing Board shall also follow the same process.

**Section 12. Effectivity.** This Order shall take effect fifteen (15) days after its publication in a newspaper of general circulation and fifteen days after its registration with the Office of the National Administrative Registry (ONAR).

  
JOSE L. ATIENZA, JR.  
Secretary



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