



**MINISTRY OF ECOLOGY AND NATURAL  
RESOURCES OF THE REPUBLIC OF  
KAZAKHSTAN  
RSE «KAZHYDROMET»**

**FORECAST OF THE CASPIAN SEA LEVEL (MIDDLE CASPIAN SEA)  
ON DECEMBER 19-24-2024**

№	Point name	Characteristic values of the forecast Caspian Sea level, sm ( m abs)				
		Maximum level, sm (m BS)	date, time, GMT*	Minimum level, sm (m BS)	date, time, GMT*	Average level, sm (m BS)
1	Fort-Shevchenko	<b>-164</b> <b>(-29,64)</b>	21/12/2024 23:00:00	<b>-177</b> <b>(-29,77)</b>	20/12/2024 15:00:00	<b>-168</b> <b>(-29,68)</b>
2	Aktau	<b>-161</b> <b>(-29,61)</b>	23/12/2024 12:00:00	<b>-169</b> <b>(-29,69)</b>	20/12/2024 12:00:00	<b>-164</b> <b>(-29,64)</b>
3	Fetisovo	<b>-110</b> <b>(-29,10)</b>	19/12/2024 12:00:00	<b>-133</b> <b>(-29,33)</b>	20/12/2024 00:00:00	<b>-113</b> <b>(-29,13)</b>
4	Makhachkala	<b>-134</b> <b>(-29,34)</b>	22/12/2024 04:00:00	<b>-147</b> <b>(-29,47)</b>	19/12/2024 22:00:00	<b>-139</b> <b>(-29,39)</b>

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
1.	-1.70	-1.64	-1.10	-1.44	19.12.2024 12:00
2.	-1.69	-1.62	-1.10	-1.44	19.12.2024 13:00
3.	-1.70	-1.61	-1.12	-1.45	19.12.2024 14:00
4.	-1.71	-1.66	-1.12	-1.46	19.12.2024 15:00
5.	-1.73	-1.64	-1.11	-1.45	19.12.2024 16:00
6.	-1.73	-1.64	-1.14	-1.43	19.12.2024 17:00
7.	-1.68	-1.63	-1.22	-1.36	19.12.2024 18:00
8.	-1.75	-1.65	-1.14	-1.43	19.12.2024 19:00
9.	-1.75	-1.66	-1.15	-1.45	19.12.2024 20:00
10.	-1.76	-1.66	-1.14	-1.47	19.12.2024 21:00
11.	-1.76	-1.66	-1.14	-1.47	19.12.2024 22:00
12.	-1.75	-1.66	-1.14	-1.47	19.12.2024 23:00
13.	-1.68	-1.65	-1.33	-1.47	20.12.2024 0:00
14.	-1.69	-1.65	-1.13	-1.47	20.12.2024 1:00
15.	-1.66	-1.65	-1.13	-1.46	20.12.2024 2:00
16.	-1.65	-1.64	-1.12	-1.46	20.12.2024 3:00
17.	-1.65	-1.64	-1.12	-1.45	20.12.2024 4:00
18.	-1.66	-1.64	-1.11	-1.45	20.12.2024 5:00
19.	-1.67	-1.65	-1.11	-1.44	20.12.2024 6:00
20.	-1.68	-1.65	-1.11	-1.44	20.12.2024 7:00
21.	-1.70	-1.66	-1.11	-1.44	20.12.2024 8:00
22.	-1.72	-1.68	-1.12	-1.45	20.12.2024 9:00
23.	-1.73	-1.68	-1.13	-1.45	20.12.2024 10:00
24.	-1.74	-1.69	-1.13	-1.45	20.12.2024 11:00
25.	-1.75	-1.69	-1.13	-1.45	20.12.2024 12:00
26.	-1.76	-1.69	-1.13	-1.45	20.12.2024 13:00
27.	-1.77	-1.68	-1.13	-1.44	20.12.2024 14:00
28.	-1.77	-1.67	-1.13	-1.44	20.12.2024 15:00
29.	-1.76	-1.67	-1.12	-1.43	20.12.2024 16:00
30.	-1.75	-1.66	-1.12	-1.43	20.12.2024 17:00
31.	-1.74	-1.66	-1.11	-1.42	20.12.2024 18:00

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
32.	-1.73	-1.66	-1.10	-1.41	20.12.2024 19:00
33.	-1.72	-1.65	-1.10	-1.41	20.12.2024 20:00
34.	-1.71	-1.65	-1.10	-1.40	20.12.2024 21:00
35.	-1.70	-1.65	-1.11	-1.40	20.12.2024 22:00
36.	-1.69	-1.65	-1.11	-1.40	20.12.2024 23:00
37.	-1.69	-1.65	-1.11	-1.40	21.12.2024 0:00
38.	-1.69	-1.65	-1.11	-1.40	21.12.2024 1:00
39.	-1.69	-1.66	-1.12	-1.40	21.12.2024 2:00
40.	-1.69	-1.65	-1.13	-1.40	21.12.2024 3:00
41.	-1.69	-1.65	-1.13	-1.40	21.12.2024 4:00
42.	-1.69	-1.65	-1.13	-1.40	21.12.2024 5:00
43.	-1.69	-1.65	-1.13	-1.40	21.12.2024 6:00
44.	-1.67	-1.64	-1.13	-1.40	21.12.2024 7:00
45.	-1.66	-1.64	-1.12	-1.39	21.12.2024 8:00
46.	-1.66	-1.64	-1.12	-1.39	21.12.2024 9:00
47.	-1.65	-1.64	-1.13	-1.38	21.12.2024 10:00
48.	-1.65	-1.64	-1.13	-1.37	21.12.2024 11:00
49.	-1.65	-1.64	-1.13	-1.37	21.12.2024 12:00
50.	-1.65	-1.64	-1.13	-1.36	21.12.2024 13:00
51.	-1.66	-1.65	-1.14	-1.36	21.12.2024 14:00
52.	-1.66	-1.65	-1.14	-1.36	21.12.2024 15:00
53.	-1.67	-1.65	-1.14	-1.36	21.12.2024 16:00
54.	-1.67	-1.65	-1.14	-1.36	21.12.2024 17:00
55.	-1.66	-1.64	-1.14	-1.36	21.12.2024 18:00
56.	-1.66	-1.64	-1.14	-1.35	21.12.2024 19:00
57.	-1.66	-1.64	-1.14	-1.35	21.12.2024 20:00
58.	-1.65	-1.63	-1.14	-1.35	21.12.2024 21:00
59.	-1.64	-1.63	-1.14	-1.35	21.12.2024 22:00
60.	-1.64	-1.63	-1.13	-1.35	21.12.2024 23:00
61.	-1.65	-1.63	-1.13	-1.35	22.12.2024 0:00
62.	-1.65	-1.63	-1.13	-1.35	22.12.2024 1:00
63.	-1.65	-1.64	-1.13	-1.34	22.12.2024 2:00
64.	-1.65	-1.64	-1.13	-1.34	22.12.2024 3:00
65.	-1.65	-1.64	-1.13	-1.34	22.12.2024 4:00
66.	-1.66	-1.64	-1.13	-1.34	22.12.2024 5:00
67.	-1.66	-1.64	-1.13	-1.35	22.12.2024 6:00
68.	-1.64	-1.64	-1.13	-1.34	22.12.2024 7:00
69.	-1.64	-1.63	-1.12	-1.34	22.12.2024 8:00
70.	-1.64	-1.63	-1.12	-1.34	22.12.2024 9:00
71.	-1.65	-1.63	-1.11	-1.34	22.12.2024 10:00
72.	-1.65	-1.63	-1.11	-1.34	22.12.2024 11:00
73.	-1.65	-1.63	-1.11	-1.35	22.12.2024 12:00
74.	-1.64	-1.63	-1.11	-1.34	22.12.2024 13:00
75.	-1.64	-1.63	-1.12	-1.34	22.12.2024 14:00
76.	-1.64	-1.63	-1.13	-1.34	22.12.2024 15:00
77.	-1.64	-1.63	-1.13	-1.34	22.12.2024 16:00
78.	-1.64	-1.63	-1.13	-1.34	22.12.2024 17:00
79.	-1.67	-1.63	-1.13	-1.34	22.12.2024 18:00
80.	-1.66	-1.63	-1.13	-1.35	22.12.2024 19:00
81.	-1.66	-1.63	-1.14	-1.35	22.12.2024 20:00
82.	-1.66	-1.63	-1.13	-1.35	22.12.2024 21:00
83.	-1.66	-1.64	-1.13	-1.35	22.12.2024 22:00
84.	-1.66	-1.63	-1.13	-1.34	22.12.2024 23:00

№	Forecast sea level, m				Year, month, date, time, GMT*
	Fort-Shevchenko	Aktau	Fetisovo	Makhachkala	
85.	-1.64	-1.63	-1.12	-1.34	23.12.2024 0:00
86.	-1.65	-1.64	-1.12	-1.34	23.12.2024 1:00
87.	-1.65	-1.64	-1.13	-1.35	23.12.2024 2:00
88.	-1.65	-1.64	-1.13	-1.35	23.12.2024 3:00
89.	-1.66	-1.64	-1.13	-1.36	23.12.2024 4:00
90.	-1.66	-1.64	-1.13	-1.36	23.12.2024 5:00
91.	-1.66	-1.64	-1.13	-1.36	23.12.2024 6:00
92.	-1.66	-1.63	-1.13	-1.36	23.12.2024 7:00
93.	-1.65	-1.63	-1.12	-1.36	23.12.2024 8:00
94.	-1.65	-1.62	-1.11	-1.36	23.12.2024 9:00
95.	-1.65	-1.62	-1.10	-1.35	23.12.2024 10:00
96.	-1.65	-1.62	-1.10	-1.34	23.12.2024 11:00
97.	-1.65	-1.61	-1.10	-1.34	23.12.2024 12:00
98.	-1.65	-1.62	-1.10	-1.34	23.12.2024 13:00
99.	-1.66	-1.62	-1.10	-1.34	23.12.2024 14:00
100.	-1.67	-1.63	-1.10	-1.35	23.12.2024 15:00
101.	-1.68	-1.63	-1.10	-1.35	23.12.2024 16:00
102.	-1.69	-1.63	-1.10	-1.35	23.12.2024 17:00
103.	-1.69	-1.63	-1.10	-1.35	23.12.2024 18:00
104.	-1.69	-1.64	-1.10	-1.36	23.12.2024 19:00
105.	-1.69	-1.64	-1.11	-1.36	23.12.2024 20:00
106.	-1.69	-1.64	-1.12	-1.37	23.12.2024 21:00
107.	-1.69	-1.64	-1.12	-1.37	23.12.2024 22:00
108.	-1.69	-1.64	-1.13	-1.37	23.12.2024 23:00
109.	-1.69	-1.65	-1.13	-1.38	24.12.2024 0:00
110.	-1.69	-1.65	-1.13	-1.38	24.12.2024 1:00
111.	-1.69	-1.65	-1.13	-1.38	24.12.2024 2:00
112.	-1.69	-1.65	-1.13	-1.39	24.12.2024 3:00
113.	-1.69	-1.65	-1.12	-1.39	24.12.2024 4:00
114.	-1.69	-1.65	-1.12	-1.39	24.12.2024 5:00
115.	-1.69	-1.66	-1.12	-1.40	24.12.2024 6:00
116.	-1.69	-1.65	-1.12	-1.40	24.12.2024 7:00
117.	-1.69	-1.65	-1.13	-1.41	24.12.2024 8:00
118.	-1.69	-1.65	-1.13	-1.41	24.12.2024 9:00
119.	-1.70	-1.65	-1.13	-1.41	24.12.2024 10:00
120.	-1.70	-1.65	-1.13	-1.41	24.12.2024 11:00
121.	-1.71	-1.65	-1.13	-1.41	24.12.2024 12:00

GMT\* - greenwich mean time

\* The characteristics were computed by Hydrodynamic module MIKE 21 of Danish Hydraulic Institute. RSE "KAZHYDROMET" has the module adapted to Caspian Sea conditions.

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**MINISTRY OF ECOLOGY AND NATURAL  
RESOURCES OF THE REPUBLIC OF KAZAKHSTAN  
RSE «KAZHYDROMET»**

**FORECAST OF THE CASPIAN SEA LEVEL ( NORTHERNCASPIAN SEA)  
ON DECEMBER 19-24-2024**

№	Point name	Characteristic values of the forecast Caspian Sea level, sm (m abs)				
		Maximum level, sm (m BS)	date, time, GMT*	Minimum level, sm (m BS)	date, time, GMT*	Average level, sm (m BS)
1	Zhanbay	<b>-61</b> <b>(-28,61)</b>	22/12/2024 11:00:00	<b>-75</b> <b>(-28,75)</b>	19/12/2024 12:00:00	<b>-70</b> <b>(-28,70)</b>
2	Peshnoy	<b>-92</b> <b>(-28,92)</b>	21/12/2024 01:00:00	<b>-106</b> <b>(-29,06)</b>	19/12/2024 23:00:00	<b>-96</b> <b>(-28,96)</b>
3	Karaton	<b>-11</b> <b>(-28,11)</b>	24/12/2024 00:00:00	<b>-19</b> <b>(-28,19)</b>	19/12/2024 23:00:00	<b>-13</b> <b>(-28,13)</b>
4	Kalamkas	<b>-10</b> <b>(-28,10)</b>	21/12/2024 18:00:00	<b>-23</b> <b>(-28,23)</b>	19/12/2024 12:00:00	<b>-15</b> <b>(-28,15)</b>
5	Kulaly	<b>-150</b> <b>(-29,50)</b>	23/12/2024 06:00:00	<b>-164</b> <b>(-29,64)</b>	20/12/2024 15:00:00	<b>-154</b> <b>(-29,54)</b>
6	Tyuleny	<b>-150</b> <b>(-29,50)</b>	22/12/2024 04:00:00	<b>-164</b> <b>(-29,45)</b>	19/12/2024 23:00:00	<b>-154</b> <b>(-29,54)</b>

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyuleny	
1	-0.79	-0.97	-0.15	-0.25	-1.55	-1.52	19.12.2024 12:00
2	-0.83	-0.97	-0.15	-0.23	-1.52	-1.54	19.12.2024 13:00
3	-0.87	-0.98	-0.15	-0.20	-1.50	-1.57	19.12.2024 14:00
4	-0.91	-0.98	-0.15	-0.17	-1.51	-1.60	19.12.2024 15:00
5	-0.94	-0.99	-0.15	-0.15	-1.53	-1.62	19.12.2024 16:00
6	-0.96	-1.00	-0.14	-0.13	-1.56	-1.63	19.12.2024 17:00
7	-0.98	-1.00	-0.13	-0.11	-1.57	-1.52	19.12.2024 18:00
8	-0.99	-1.02	-0.12	-0.11	-1.61	-1.62	19.12.2024 19:00
9	-1.00	-1.03	-0.10	-0.11	-1.62	-1.61	19.12.2024 20:00
10	-0.99	-1.04	-0.08	-0.11	-1.61	-1.62	19.12.2024 21:00
11	-0.99	-1.05	-0.07	-0.12	-1.58	-1.63	19.12.2024 22:00
12	-0.97	-1.06	-0.05	-0.12	-1.55	-1.64	19.12.2024 23:00
13	-0.95	-1.02	-0.04	-0.13	-1.58	-1.50	20.12.2024 0:00
14	-0.92	-1.05	-0.03	-0.15	-1.54	-1.63	20.12.2024 1:00
15	-0.90	-1.05	-0.02	-0.16	-1.55	-1.61	20.12.2024 2:00
16	-0.88	-1.04	-0.01	-0.17	-1.55	-1.59	20.12.2024 3:00
17	-0.86	-1.03	0.00	-0.19	-1.55	-1.57	20.12.2024 4:00
18	-0.84	-1.02	0.00	-0.20	-1.55	-1.56	20.12.2024 5:00
19	-0.82	-1.02	0.00	-0.21	-1.54	-1.54	20.12.2024 6:00
20	-0.81	-1.01	0.00	-0.22	-1.54	-1.53	20.12.2024 7:00
21	-0.80	-1.00	0.00	-0.23	-1.55	-1.52	20.12.2024 8:00
22	-0.79	-1.00	-0.01	-0.23	-1.56	-1.52	20.12.2024 9:00
23	-0.79	-0.99	-0.01	-0.24	-1.57	-1.52	20.12.2024 10:00
24	-0.78	-0.99	-0.02	-0.25	-1.59	-1.56	20.12.2024 11:00
25	-0.78	-0.98	-0.03	-0.25	-1.61	-1.56	20.12.2024 12:00
26	-0.77	-0.98	-0.03	-0.25	-1.63	-1.55	20.12.2024 13:00
27	-0.77	-0.98	-0.04	-0.26	-1.64	-1.54	20.12.2024 14:00
28	-0.76	-0.97	-0.05	-0.26	-1.64	-1.54	20.12.2024 15:00
29	-0.76	-0.97	-0.06	-0.26	-1.63	-1.53	20.12.2024 16:00

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyulyeny	
30	-0.75	-0.96	-0.06	-0.27	-1.61	-1.52	20.12.2024 17:00
31	-0.74	-0.96	-0.07	-0.28	-1.60	-1.52	20.12.2024 18:00
32	-0.72	-0.95	-0.07	-0.29	-1.58	-1.51	20.12.2024 19:00
33	-0.71	-0.95	-0.07	-0.30	-1.57	-1.50	20.12.2024 20:00
34	-0.70	-0.94	-0.07	-0.31	-1.56	-1.54	20.12.2024 21:00
35	-0.69	-0.93	-0.07	-0.32	-1.56	-1.53	20.12.2024 22:00
36	-0.69	-0.93	-0.07	-0.33	-1.56	-1.52	20.12.2024 23:00
37	-0.68	-0.92	-0.07	-0.34	-1.56	-1.50	21.12.2024 0:00
38	-0.67	-0.92	-0.07	-0.35	-1.56	-1.54	21.12.2024 1:00
39	-0.67	-0.94	-0.07	-0.36	-1.56	-1.53	21.12.2024 2:00
40	-0.66	-0.94	-0.07	-0.37	-1.56	-1.52	21.12.2024 3:00
41	-0.66	-0.94	-0.07	-0.38	-1.56	-1.52	21.12.2024 4:00
42	-0.65	-0.94	-0.07	-0.38	-1.56	-1.52	21.12.2024 5:00
43	-0.65	-0.93	-0.07	-0.39	-1.56	-1.51	21.12.2024 6:00
44	-0.64	-0.93	-0.07	-0.40	-1.55	-1.51	21.12.2024 7:00
45	-0.64	-0.94	-0.07	-0.40	-1.55	-1.51	21.12.2024 8:00
46	-0.64	-0.95	-0.07	-0.40	-1.55	-1.51	21.12.2024 9:00
47	-0.64	-0.92	-0.07	-0.41	-1.54	-1.50	21.12.2024 10:00
48	-0.63	-0.92	-0.07	-0.41	-1.54	-1.54	21.12.2024 11:00
49	-0.63	-0.93	-0.07	-0.41	-1.53	-1.54	21.12.2024 12:00
50	-0.63	-0.94	-0.07	-0.42	-1.53	-1.53	21.12.2024 13:00
51	-0.63	-0.94	-0.07	-0.42	-1.53	-1.53	21.12.2024 14:00
52	-0.63	-0.94	-0.07	-0.43	-1.53	-1.52	21.12.2024 15:00
53	-0.63	-0.94	-0.07	-0.43	-1.53	-1.52	21.12.2024 16:00
54	-0.62	-0.93	-0.07	-0.44	-1.53	-1.51	21.12.2024 17:00
55	-0.62	-0.96	-0.07	-0.44	-1.53	-1.51	21.12.2024 18:00
56	-0.62	-0.96	-0.07	-0.44	-1.53	-1.50	21.12.2024 19:00
57	-0.62	-0.95	-0.07	-0.44	-1.53	-1.50	21.12.2024 20:00
58	-0.61	-0.95	-0.07	-0.45	-1.52	-1.53	21.12.2024 21:00
59	-0.61	-0.95	-0.07	-0.45	-1.52	-1.53	21.12.2024 22:00
60	-0.60	-0.94	-0.07	-0.45	-1.52	-1.53	21.12.2024 23:00
61	-0.60	-0.94	-0.07	-0.45	-1.51	-1.52	22.12.2024 0:00
62	-0.59	-0.94	-0.07	-0.45	-1.51	-1.52	22.12.2024 1:00
63	-0.59	-0.93	-0.07	-0.46	-1.50	-1.51	22.12.2024 2:00
64	-0.58	-0.93	-0.07	-0.46	-1.50	-1.50	22.12.2024 3:00
65	-0.58	-0.93	-0.07	-0.47	-1.50	-1.50	22.12.2024 4:00
66	-0.57	-0.92	-0.07	-0.47	-1.50	-1.53	22.12.2024 5:00
67	-0.57	-0.92	-0.07	-0.48	-1.50	-1.52	22.12.2024 6:00
68	-0.56	-0.93	-0.07	-0.49	-1.51	-1.51	22.12.2024 7:00
69	-0.56	-0.94	-0.07	-0.49	-1.51	-1.50	22.12.2024 8:00
70	-0.56	-0.95	-0.07	-0.49	-1.51	-1.50	22.12.2024 9:00
71	-0.56	-0.96	-0.07	-0.49	-1.51	-1.54	22.12.2024 10:00
72	-0.56	-0.96	-0.07	-0.49	-1.52	-1.53	22.12.2024 11:00
73	-0.56	-0.96	-0.07	-0.49	-1.52	-1.52	22.12.2024 12:00
74	-0.57	-0.96	-0.07	-0.49	-1.53	-1.51	22.12.2024 13:00
75	-0.57	-0.96	-0.07	-0.49	-1.53	-1.51	22.12.2024 14:00
76	-0.56	-0.96	-0.07	-0.49	-1.53	-1.51	22.12.2024 15:00
77	-0.56	-0.96	-0.07	-0.50	-1.54	-1.51	22.12.2024 16:00
78	-0.55	-0.96	-0.07	-0.50	-1.54	-1.51	22.12.2024 17:00
79	-0.55	-0.96	-0.07	-0.51	-1.53	-1.52	22.12.2024 18:00
80	-0.54	-0.96	-0.07	-0.51	-1.52	-1.53	22.12.2024 19:00
81	-0.54	-0.95	-0.07	-0.52	-1.52	-1.55	22.12.2024 20:00
82	-0.54	-0.95	-0.07	-0.52	-1.52	-1.53	22.12.2024 21:00
83	-0.54	-0.95	-0.07	-0.51	-1.51	-1.50	22.12.2024 22:00
84	-0.55	-0.94	-0.07	-0.51	-1.51	-1.52	22.12.2024 23:00

№	Forecast sea level, m						Year, month, date, time, GMT*
	Zhanbay	Peshnoy	Karaton	Kalamkas	Kulaly	Tyulyeny	
85	-0.55	-0.94	-0.07	-0.50	-1.52	-1.53	23.12.2024 0:00
86	-0.56	-0.94	-0.07	-0.49	-1.51	-1.50	23.12.2024 1:00
87	-0.57	-0.94	-0.07	-0.48	-1.51	-1.51	23.12.2024 2:00
88	-0.57	-0.94	-0.07	-0.47	-1.51	-1.52	23.12.2024 3:00
89	-0.58	-0.94	-0.07	-0.47	-1.51	-1.52	23.12.2024 4:00
90	-0.57	-0.94	-0.07	-0.47	-1.53	-1.52	23.12.2024 5:00
91	-0.57	-0.94	-0.07	-0.47	-1.50	-1.53	23.12.2024 6:00
92	-0.57	-0.94	-0.07	-0.47	-1.50	-1.53	23.12.2024 7:00
93	-0.57	-0.94	-0.07	-0.47	-1.50	-1.53	23.12.2024 8:00
94	-0.57	-0.94	-0.07	-0.47	-1.50	-1.54	23.12.2024 9:00
95	-0.58	-0.94	-0.07	-0.46	-1.50	-1.54	23.12.2024 10:00
96	-0.59	-0.94	-0.07	-0.46	-1.51	-1.54	23.12.2024 11:00
97	-0.60	-0.94	-0.07	-0.45	-1.51	-1.54	23.12.2024 12:00
98	-0.62	-0.94	-0.07	-0.44	-1.50	-1.54	23.12.2024 13:00
99	-0.63	-0.94	-0.07	-0.43	-1.50	-1.54	23.12.2024 14:00
100	-0.64	-0.94	-0.07	-0.43	-1.50	-1.54	23.12.2024 15:00
101	-0.64	-0.94	-0.07	-0.42	-1.51	-1.54	23.12.2024 16:00
102	-0.65	-0.94	-0.07	-0.42	-1.52	-1.55	23.12.2024 17:00
103	-0.66	-0.94	-0.07	-0.41	-1.53	-1.55	23.12.2024 18:00
104	-0.66	-0.94	-0.07	-0.41	-1.53	-1.56	23.12.2024 19:00
105	-0.67	-0.94	-0.07	-0.40	-1.54	-1.56	23.12.2024 20:00
106	-0.68	-0.94	-0.07	-0.40	-1.54	-1.57	23.12.2024 21:00
107	-0.68	-0.95	-0.07	-0.39	-1.54	-1.57	23.12.2024 22:00
108	-0.69	-0.95	-0.07	-0.38	-1.54	-1.57	23.12.2024 23:00
109	-0.69	-0.95	-0.07	-0.38	-1.54	-1.56	24.12.2024 0:00
110	-0.70	-0.95	-0.07	-0.37	-1.53	-1.56	24.12.2024 1:00
111	-0.70	-0.96	-0.07	-0.37	-1.53	-1.56	24.12.2024 2:00
112	-0.71	-0.96	-0.07	-0.37	-1.53	-1.56	24.12.2024 3:00
113	-0.71	-0.96	-0.07	-0.36	-1.53	-1.56	24.12.2024 4:00
114	-0.72	-0.97	-0.07	-0.36	-1.53	-1.57	24.12.2024 5:00
115	-0.72	-0.97	-0.07	-0.36	-1.53	-1.57	24.12.2024 6:00
116	-0.72	-0.97	-0.07	-0.36	-1.53	-1.58	24.12.2024 7:00
117	-0.73	-0.97	-0.07	-0.35	-1.53	-1.58	24.12.2024 8:00
118	-0.73	-0.98	-0.07	-0.35	-1.53	-1.58	24.12.2024 9:00
119	-0.73	-0.98	-0.07	-0.35	-1.54	-1.58	24.12.2024 10:00
120	-0.73	-0.99	-0.07	-0.35	-1.54	-1.58	24.12.2024 11:00
121	-0.74	-0.99	-0.07	-0.35	-1.54	-1.57	24.12.2024 12:00

GMT\* - greenwich mean time

\* The characteristics were computed by Hydrodynamic module MIKE 21 of Danish Hydraulic Institute. RSE "KAZHYDROMET" has the module adapted to Caspian Sea conditions.

Made by: Bazarbay L.B.

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