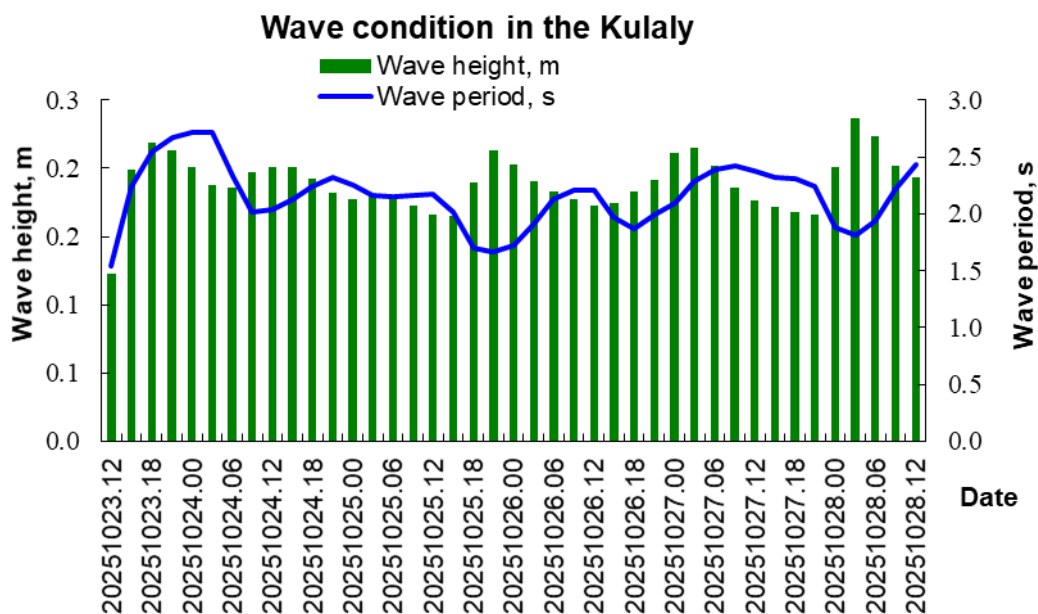
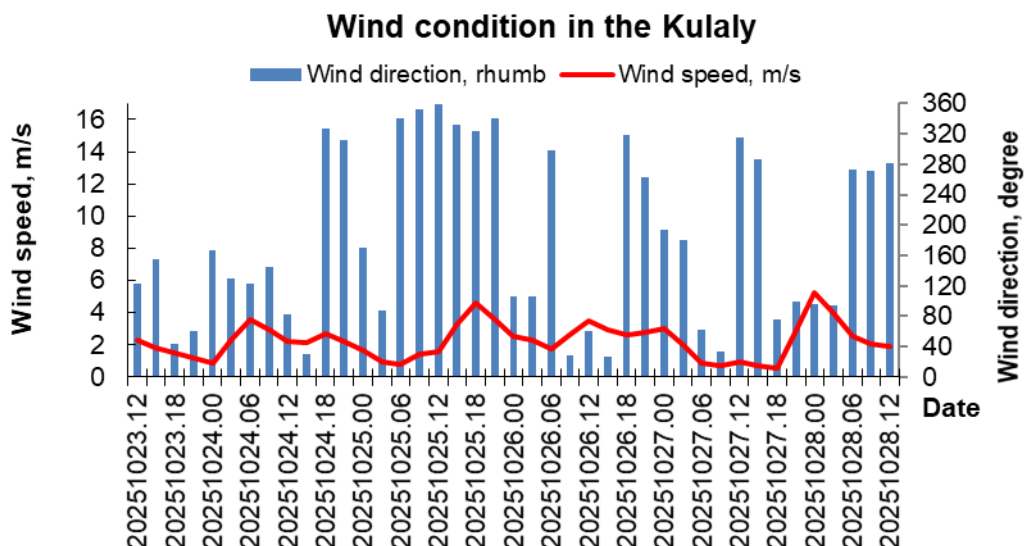




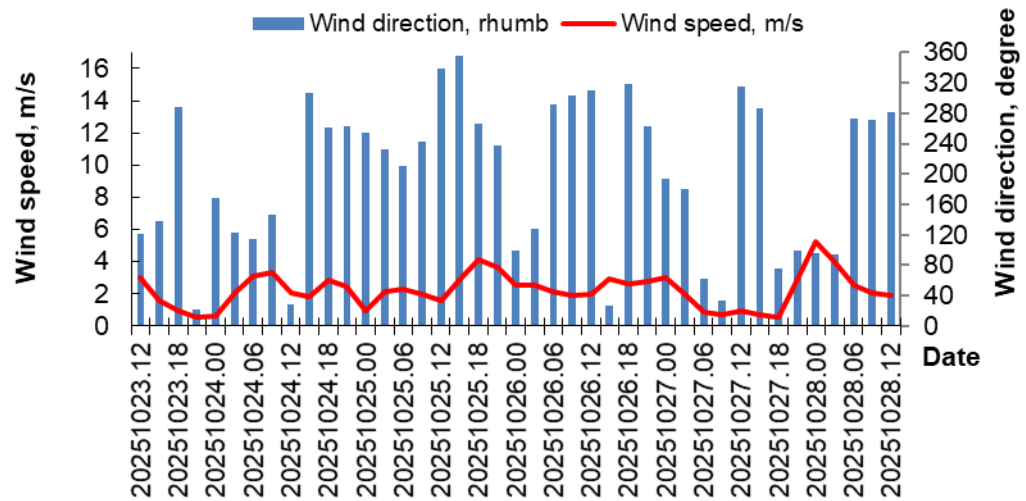
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period October 23 – 28, 2025.**

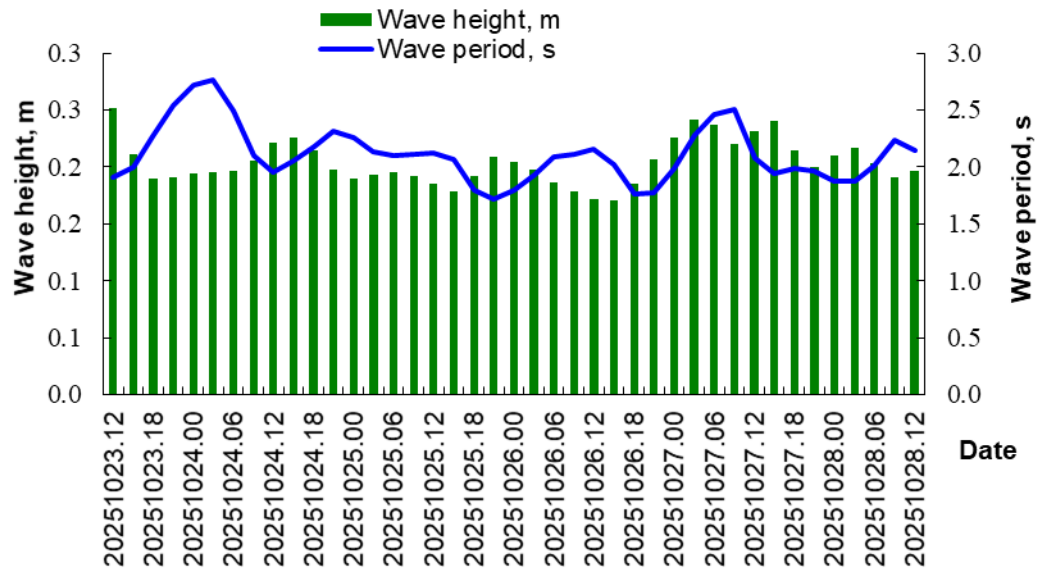


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.12	NW	1.5	2	SE
20251023.15	0.20	NW	2.2	2	SE
20251023.18	0.22	NW	2.5	2	NE
20251023.21	0.21	N	2.7	1	NE
20251024.00	0.20	N	2.7	1	S
20251024.03	0.19	N	2.7	2	SE
20251024.06	0.19	N	2.3	4	SE
20251024.09	0.20	N	2.0	3	SE
20251024.12	0.20	N	2.0	2	E
20251024.15	0.20	NW	2.1	2	NE
20251024.18	0.19	NW	2.2	3	NW
20251024.21	0.18	NW	2.3	2	NW
20251025.00	0.18	NW	2.3	2	S
20251025.03	0.18	NW	2.2	1	E
20251025.06	0.18	NW	2.1	1	N
20251025.09	0.17	NW	2.2	1	N
20251025.12	0.17	W	2.2	2	N
20251025.15	0.16	W	2.0	3	NW
20251025.18	0.19	SE	1.7	5	NW
20251025.21	0.21	SE	1.7	4	N
20251026.00	0.20	S	1.7	3	E
20251026.03	0.19	S	1.9	2	E
20251026.06	0.18	SW	2.1	2	NW
20251026.09	0.18	SW	2.2	3	NE
20251026.12	0.17	SW	2.2	4	NE
20251026.15	0.17	S	2.0	3	NE
20251026.18	0.18	S	1.9	3	NW
20251026.21	0.19	S	2.0	3	W
20251027.00	0.21	SW	2.1	3	S
20251027.03	0.21	SW	2.3	2	S
20251027.06	0.20	SW	2.4	1	NE
20251027.09	0.19	SW	2.4	1	NE
20251027.12	0.18	SW	2.4	1	NW
20251027.15	0.17	SW	2.3	1	W
20251027.18	0.17	S	2.3	1	E
20251027.21	0.17	S	2.2	3	E
20251028.00	0.20	SW	1.9	5	E
20251028.03	0.24	W	1.8	4	E
20251028.06	0.22	SW	1.9	3	W
20251028.09	0.20	SW	2.2	2	W
20251028.12	0.19	SW	2.4	2	W

Wind condition in the Fort-Shevchenko

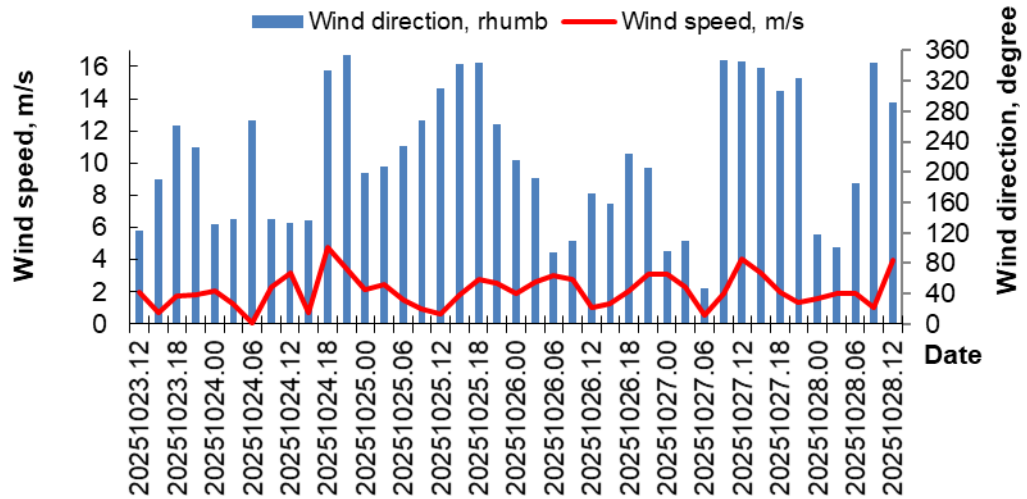


Wave condition in the Fort-Shevchenko

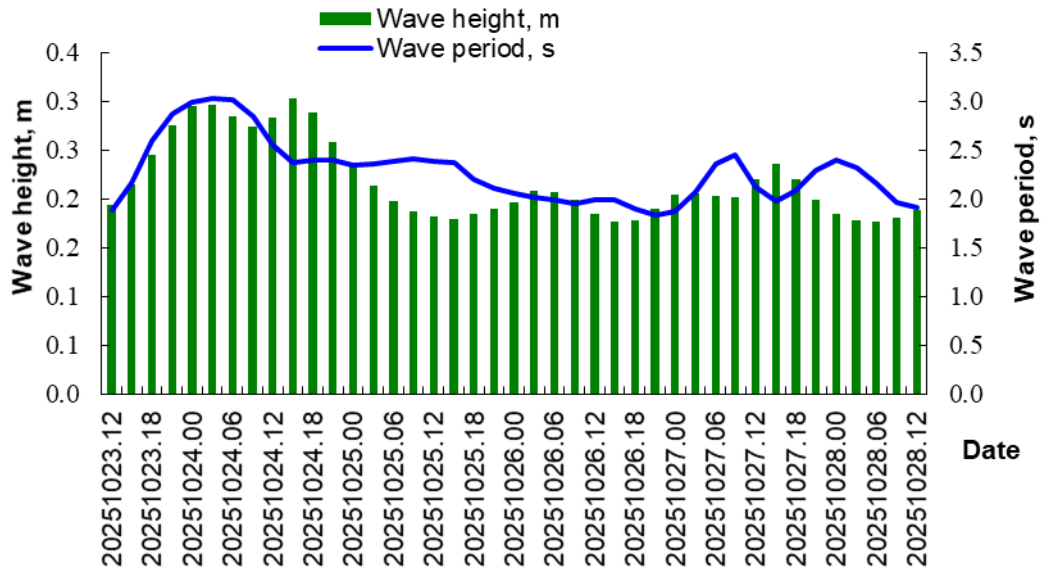


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.25	NW	1.9	3	SE
20251023.15	0.21	NW	2.0	2	SE
20251023.18	0.19	NW	2.3	1	W
20251023.21	0.19	N	2.5	1	N
20251024.00	0.19	N	2.7	1	S
20251024.03	0.20	N	2.8	2	SE
20251024.06	0.20	N	2.5	3	SE
20251024.09	0.21	N	2.1	3	SE
20251024.12	0.22	N	2.0	2	NE
20251024.15	0.23	NW	2.1	2	NW
20251024.18	0.21	NW	2.2	3	W
20251024.21	0.20	NW	2.3	2	W
20251025.00	0.19	NW	2.3	1	W
20251025.03	0.19	NW	2.1	2	SW
20251025.06	0.20	W	2.1	2	SW
20251025.09	0.19	W	2.1	2	SW
20251025.12	0.18	W	2.1	2	N
20251025.15	0.18	SW	2.1	3	N
20251025.18	0.19	S	1.8	4	W
20251025.21	0.21	S	1.7	4	SW
20251026.00	0.20	S	1.8	3	E
20251026.03	0.20	SW	1.9	3	SE
20251026.06	0.19	SW	2.1	2	W
20251026.09	0.18	S	2.1	2	NW
20251026.12	0.17	S	2.2	2	NW
20251026.15	0.17	S	2.0	3	NE
20251026.18	0.19	S	1.8	3	NW
20251026.21	0.21	S	1.8	3	W
20251027.00	0.23	SW	2.0	3	S
20251027.03	0.24	SW	2.3	2	S
20251027.06	0.24	SW	2.5	1	NE
20251027.09	0.22	SW	2.5	1	NE
20251027.12	0.23	S	2.1	1	NW
20251027.15	0.24	S	1.9	1	W
20251027.18	0.21	S	2.0	1	E
20251027.21	0.20	S	2.0	3	E
20251028.00	0.21	SW	1.9	5	E
20251028.03	0.22	SW	1.9	4	E
20251028.06	0.20	SW	2.0	3	W
20251028.09	0.19	SW	2.2	2	W
20251028.12	0.20	SW	2.1	2	W

Wind condition in the Aktau

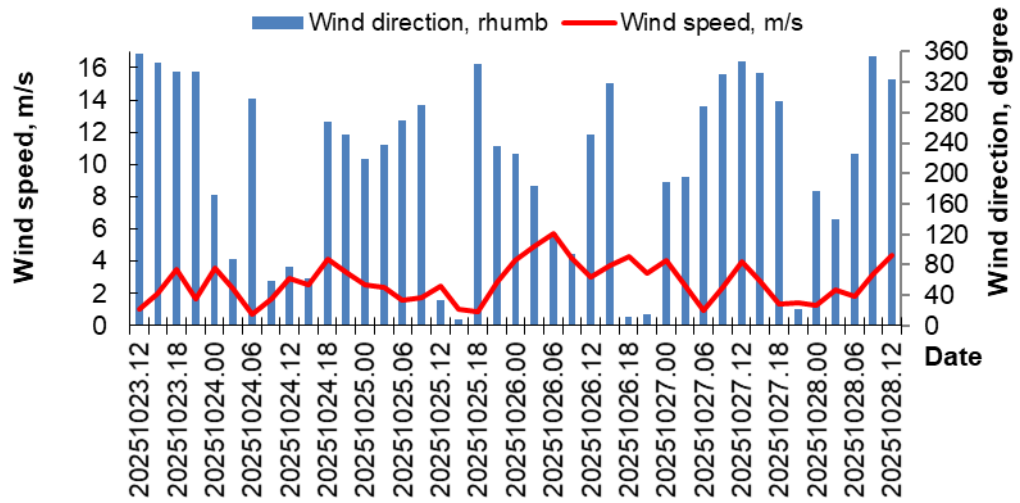


Wave condition in the Aktau

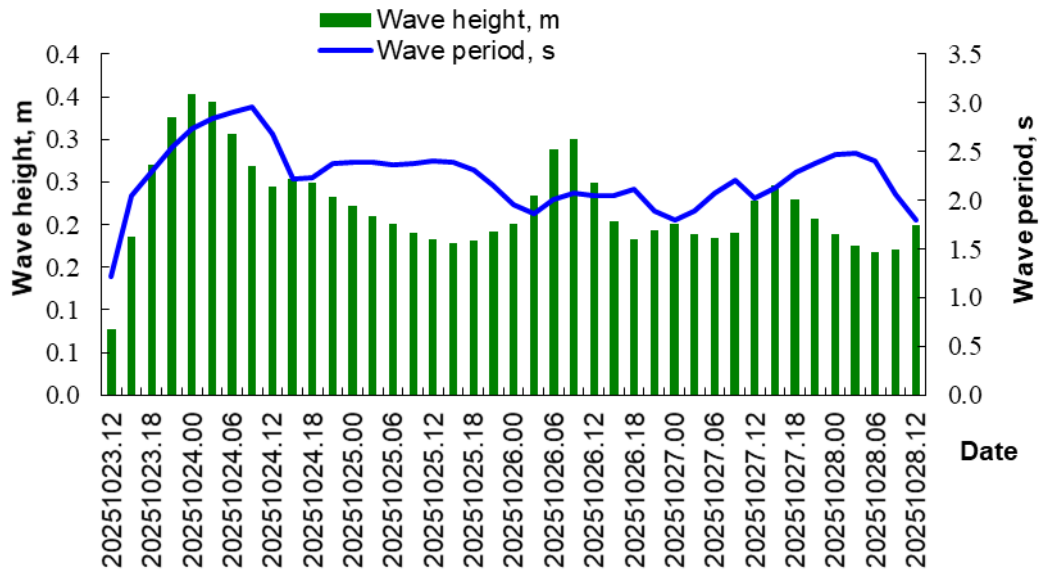


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20251023.12	0.19	W	1.9	2	SE
20251023.15	0.21	W	2.2	1	S
20251023.18	0.25	NW	2.6	2	W
20251023.21	0.28	N	2.9	2	SW
20251024.00	0.29	N	3.0	2	SE
20251024.03	0.30	N	3.0	1	SE
20251024.06	0.28	N	3.0	0	W
20251024.09	0.27	N	2.8	2	SE
20251024.12	0.28	N	2.6	3	SE
20251024.15	0.30	NW	2.4	1	SE
20251024.18	0.29	NW	2.4	5	NW
20251024.21	0.26	NW	2.4	3	N
20251025.00	0.23	NW	2.3	2	S
20251025.03	0.21	NW	2.4	2	SW
20251025.06	0.20	NW	2.4	1	SW
20251025.09	0.19	NW	2.4	1	W
20251025.12	0.18	NW	2.4	1	NW
20251025.15	0.18	NW	2.4	2	N
20251025.18	0.18	SW	2.2	3	N
20251025.21	0.19	SW	2.1	3	W
20251026.00	0.20	SW	2.1	2	SW
20251026.03	0.21	SW	2.0	3	S
20251026.06	0.21	SW	2.0	3	E
20251026.09	0.20	SW	1.9	3	E
20251026.12	0.18	W	2.0	1	S
20251026.15	0.18	W	2.0	1	S
20251026.18	0.18	W	1.9	2	SW
20251026.21	0.19	SW	1.8	3	SW
20251027.00	0.20	SW	1.9	3	E
20251027.03	0.21	SW	2.1	2	E
20251027.06	0.20	SW	2.4	1	NE
20251027.09	0.20	SW	2.4	2	N
20251027.12	0.22	SW	2.1	4	N
20251027.15	0.24	S	2.0	3	NW
20251027.18	0.22	S	2.1	2	NW
20251027.21	0.20	S	2.3	1	NW
20251028.00	0.18	S	2.4	2	SE
20251028.03	0.18	S	2.3	2	E
20251028.06	0.18	S	2.2	2	S
20251028.09	0.18	SW	2.0	1	N
20251028.12	0.19	S	1.9	4	W

Wind condition in the Peschanyi

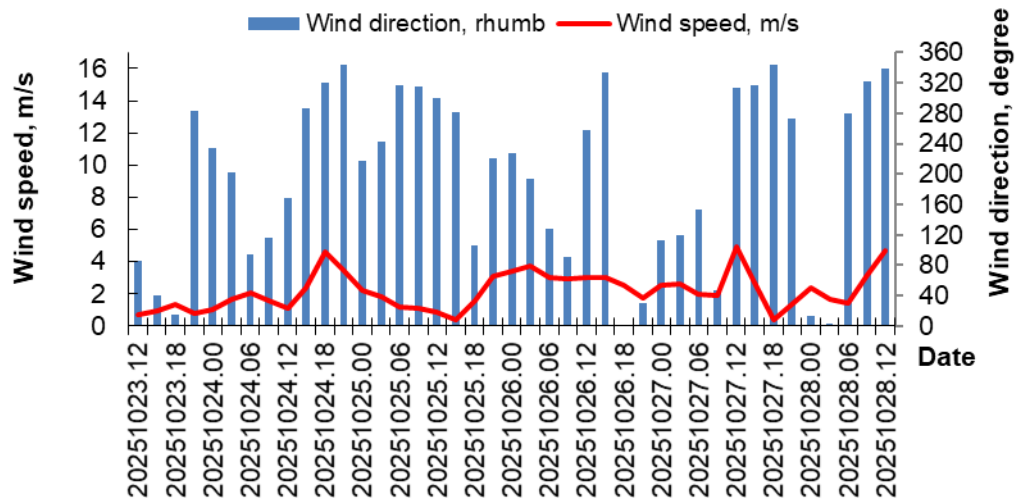


Wave condition in the Peschanyi

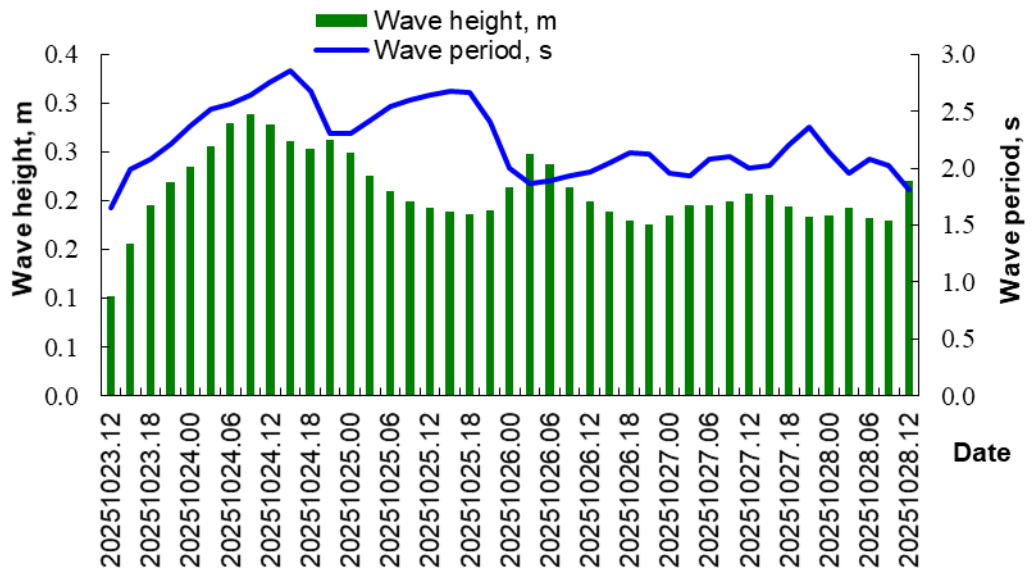


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.08	S	1.2	1	N
20251023.15	0.19	NW	2.1	2	N
20251023.18	0.27	N	2.3	3	NW
20251023.21	0.33	N	2.5	2	NW
20251024.00	0.35	N	2.7	4	S
20251024.03	0.34	N	2.8	2	E
20251024.06	0.31	N	2.9	1	NW
20251024.09	0.27	N	3.0	2	NE
20251024.12	0.24	N	2.7	3	E
20251024.15	0.25	N	2.2	3	NE
20251024.18	0.25	N	2.2	4	W
20251024.21	0.23	NW	2.4	3	W
20251025.00	0.22	NW	2.4	3	SW
20251025.03	0.21	NW	2.4	2	SW
20251025.06	0.20	NW	2.4	2	W
20251025.09	0.19	NW	2.4	2	W
20251025.12	0.18	NW	2.4	2	NE
20251025.15	0.18	NW	2.4	1	N
20251025.18	0.18	W	2.3	1	N
20251025.21	0.19	SW	2.2	3	SW
20251026.00	0.20	SW	2.0	4	SW
20251026.03	0.23	SW	1.9	5	S
20251026.06	0.29	W	2.0	6	SE
20251026.09	0.30	W	2.1	4	E
20251026.12	0.25	W	2.0	3	W
20251026.15	0.20	W	2.1	4	NW
20251026.18	0.18	SW	2.1	4	N
20251026.21	0.19	S	1.9	3	N
20251027.00	0.20	SE	1.8	4	S
20251027.03	0.19	SW	1.9	2	S
20251027.06	0.18	SW	2.1	1	W
20251027.09	0.19	SW	2.2	2	NW
20251027.12	0.23	S	2.0	4	N
20251027.15	0.25	S	2.1	3	NW
20251027.18	0.23	SE	2.3	1	NW
20251027.21	0.21	S	2.4	1	N
20251028.00	0.19	S	2.5	1	S
20251028.03	0.18	S	2.5	2	SE
20251028.06	0.17	S	2.4	2	SW
20251028.09	0.17	S	2.1	3	N
20251028.12	0.20	S	1.8	4	NW

Wind condition in the Fetisovo

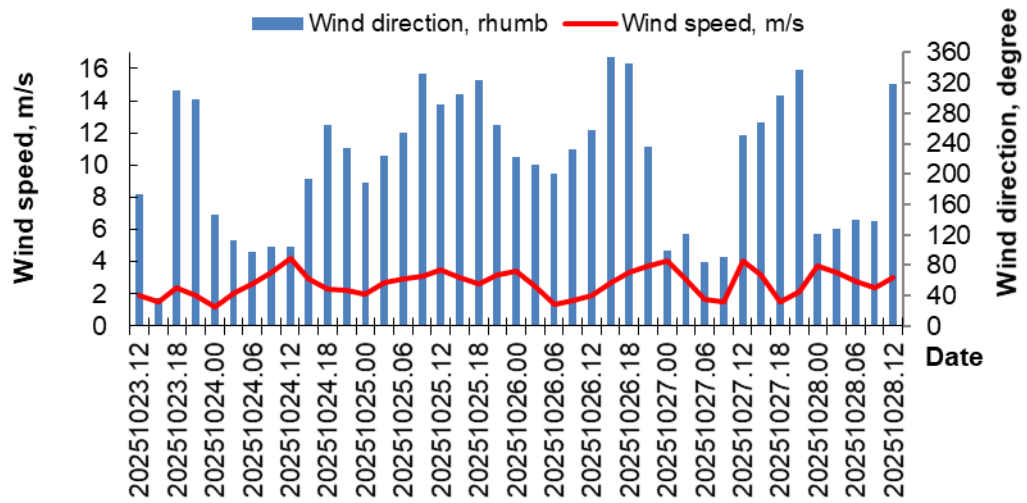


Wave condition in the Fetisovo

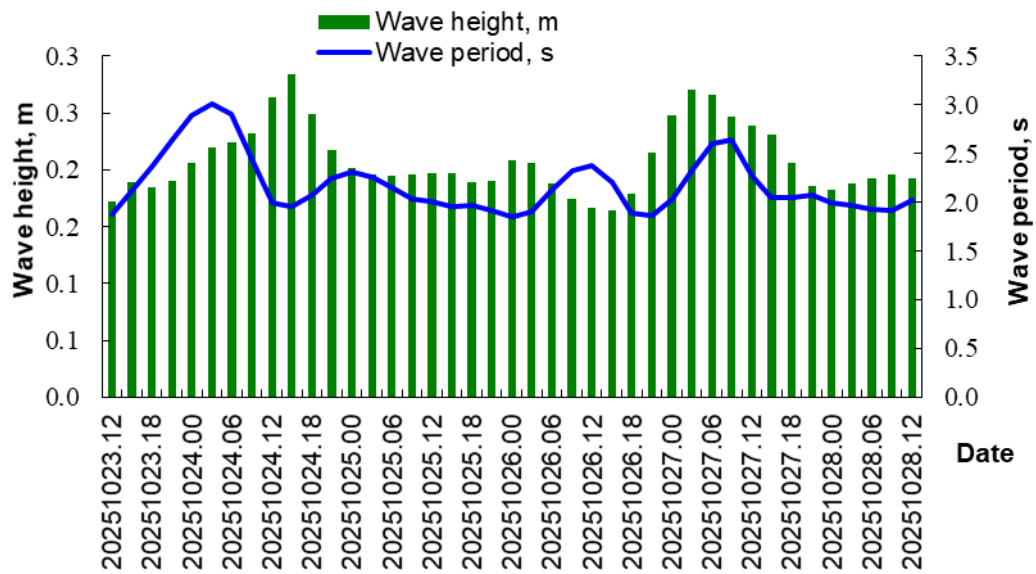


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.10	W	1.7	1	E
20251023.15	0.16	W	2.0	1	NE
20251023.18	0.19	W	2.1	1	N
20251023.21	0.22	W	2.2	1	W
20251024.00	0.24	W	2.4	1	SW
20251024.03	0.26	NW	2.5	2	S
20251024.06	0.28	NW	2.6	2	E
20251024.09	0.29	NW	2.6	2	SE
20251024.12	0.28	NW	2.7	1	S
20251024.15	0.26	N	2.9	2	W
20251024.18	0.25	N	2.7	5	NW
20251024.21	0.26	NE	2.3	3	N
20251025.00	0.25	NE	2.3	2	SW
20251025.03	0.23	N	2.4	2	SW
20251025.06	0.21	N	2.5	1	NW
20251025.09	0.20	NW	2.6	1	NW
20251025.12	0.19	NW	2.6	1	NW
20251025.15	0.19	NW	2.7	0	W
20251025.18	0.19	NW	2.7	2	E
20251025.21	0.19	NW	2.4	3	SW
20251026.00	0.21	W	2.0	3	SW
20251026.03	0.25	W	1.9	4	S
20251026.06	0.24	W	1.9	3	SE
20251026.09	0.21	W	1.9	3	E
20251026.12	0.20	W	2.0	3	W
20251026.15	0.19	W	2.0	3	NW
20251026.18	0.18	SW	2.1	3	N
20251026.21	0.18	SW	2.1	2	NE
20251027.00	0.19	W	2.0	3	SE
20251027.03	0.20	W	1.9	3	SE
20251027.06	0.19	W	2.1	2	SE
20251027.09	0.20	W	2.1	2	NE
20251027.12	0.21	W	2.0	5	NW
20251027.15	0.21	SW	2.0	3	NW
20251027.18	0.19	SW	2.2	0	N
20251027.21	0.18	SW	2.4	1	W
20251028.00	0.18	S	2.1	2	N
20251028.03	0.19	S	2.0	2	N
20251028.06	0.18	SW	2.1	1	W
20251028.09	0.18	SW	2.0	3	NW
20251028.12	0.22	S	1.8	5	N

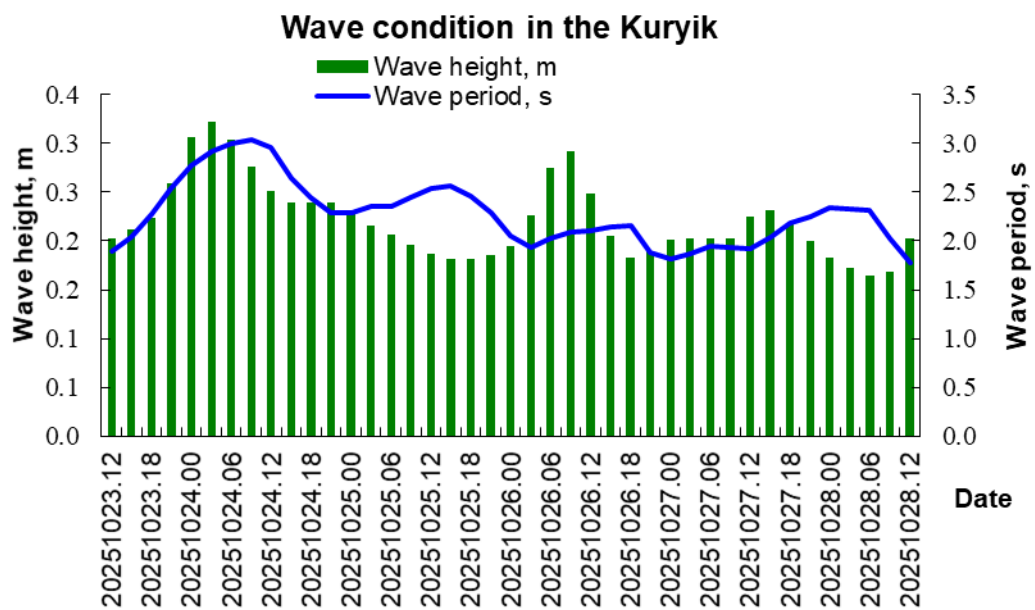
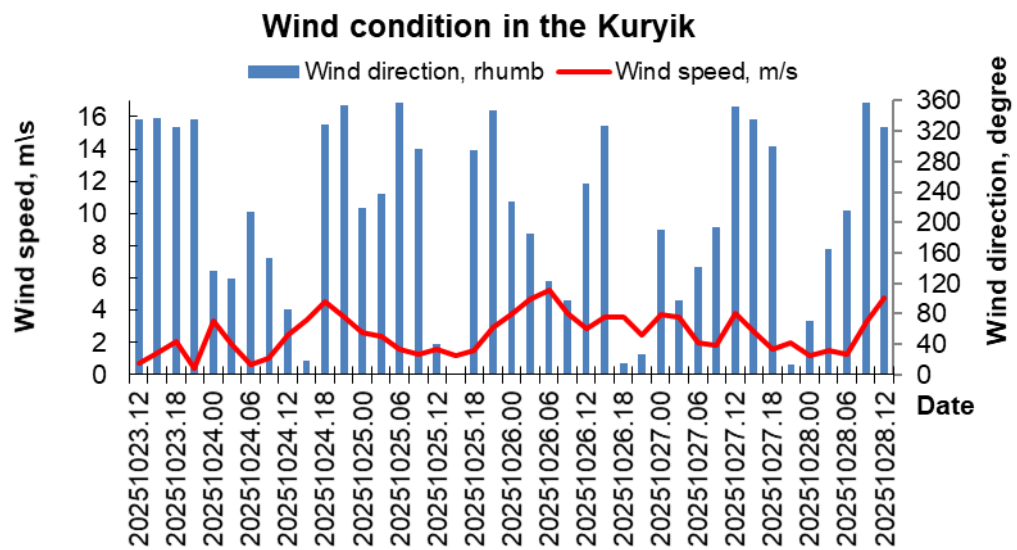
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.17	NW	1.9	2	S
20251023.15	0.19	NW	2.1	2	NE
20251023.18	0.18	NW	2.4	2	NW
20251023.21	0.19	N	2.6	2	NW
20251024.00	0.21	N	2.9	1	SE
20251024.03	0.22	N	3.0	2	E
20251024.06	0.22	N	2.9	3	E
20251024.09	0.23	N	2.4	3	E
20251024.12	0.26	N	2.0	4	E
20251024.15	0.28	NW	2.0	3	S
20251024.18	0.25	NW	2.1	2	W
20251024.21	0.22	NW	2.3	2	SW
20251025.00	0.20	NW	2.3	2	S
20251025.03	0.20	NW	2.3	3	SW
20251025.06	0.19	NW	2.2	3	W
20251025.09	0.20	W	2.0	3	NW
20251025.12	0.20	W	2.0	3	W
20251025.15	0.20	SW	2.0	3	NW
20251025.18	0.19	S	2.0	3	NW
20251025.21	0.19	S	1.9	3	W
20251026.00	0.21	S	1.8	3	SW
20251026.03	0.21	S	1.9	2	SW
20251026.06	0.19	S	2.1	1	S
20251026.09	0.17	S	2.3	2	SW
20251026.12	0.17	S	2.4	2	W
20251026.15	0.16	S	2.2	3	N
20251026.18	0.18	S	1.9	3	N
20251026.21	0.22	S	1.9	4	SW
20251027.00	0.25	SW	2.0	4	E
20251027.03	0.27	SW	2.3	3	SE
20251027.06	0.27	SW	2.6	2	E
20251027.09	0.25	SW	2.6	2	E
20251027.12	0.24	SW	2.3	4	W
20251027.15	0.23	SW	2.0	3	W
20251027.18	0.21	SW	2.0	2	NW
20251027.21	0.19	S	2.1	2	N
20251028.00	0.18	S	2.0	4	SE
20251028.03	0.19	SW	2.0	3	SE
20251028.06	0.19	SW	1.9	3	SE
20251028.09	0.20	SW	1.9	2	SE
20251028.12	0.19	SW	2.0	3	NW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20251023.12	0.20	W	1.9	1	NW
20251023.15	0.21	W	2.0	1	NW
20251023.18	0.22	NW	2.3	2	NW
20251023.21	0.26	N	2.5	0	NW
20251024.00	0.31	N	2.8	3	SE
20251024.03	0.32	N	2.9	2	SE
20251024.06	0.30	N	3.0	1	SW
20251024.09	0.28	N	3.0	1	SE
20251024.12	0.25	N	3.0	2	E
20251024.15	0.24	N	2.6	3	N
20251024.18	0.24	N	2.4	5	NW
20251024.21	0.24	N	2.3	4	N
20251025.00	0.23	NW	2.3	3	SW
20251025.03	0.22	NW	2.4	2	SW
20251025.06	0.21	NW	2.4	2	N
20251025.09	0.20	NW	2.4	1	NW
20251025.12	0.19	NW	2.5	2	NE
20251025.15	0.18	NW	2.6	1	N
20251025.18	0.18	W	2.5	2	NW
20251025.21	0.19	W	2.3	3	N
20251026.00	0.19	SW	2.1	4	SW
20251026.03	0.23	SW	1.9	5	S
20251026.06	0.27	W	2.0	5	SE
20251026.09	0.29	W	2.1	4	E
20251026.12	0.25	W	2.1	3	W
20251026.15	0.20	W	2.1	4	NW
20251026.18	0.18	W	2.2	4	N
20251026.21	0.19	SW	1.9	2	NE
20251027.00	0.20	SW	1.8	4	S
20251027.03	0.20	W	1.9	4	E
20251027.06	0.20	W	1.9	2	SE
20251027.09	0.20	W	1.9	2	S
20251027.12	0.22	SW	1.9	4	N
20251027.15	0.23	S	2.0	3	NW
20251027.18	0.22	S	2.2	2	NW
20251027.21	0.20	S	2.3	2	N
20251028.00	0.18	S	2.3	1	E
20251028.03	0.17	S	2.3	2	S
20251028.06	0.16	S	2.3	1	SW
20251028.09	0.17	S	2.0	3	N
20251028.12	0.20	S	1.8	5	NW

**Calculation characteristics were obtained using the SWAN wave model, adapted in RSE «Kazhydromet» to the conditions of the Caspian Sea.*

Compiled by: Zhagparova N.N..

Checked by: Shishkina G.M.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

Phone. (717)2 79 83 12; E-mail: ugmikm@meteo.kz