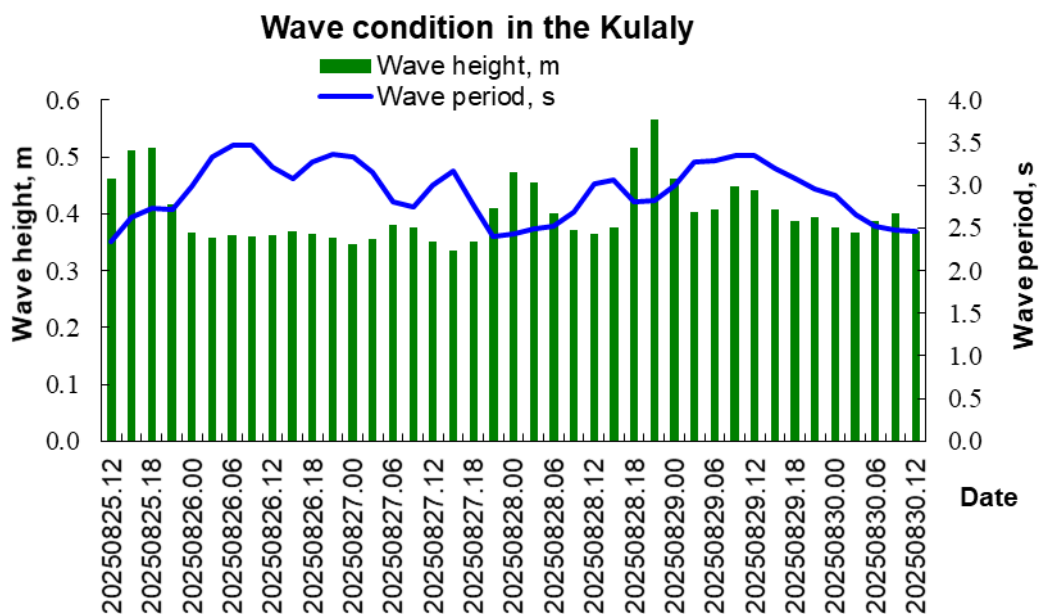
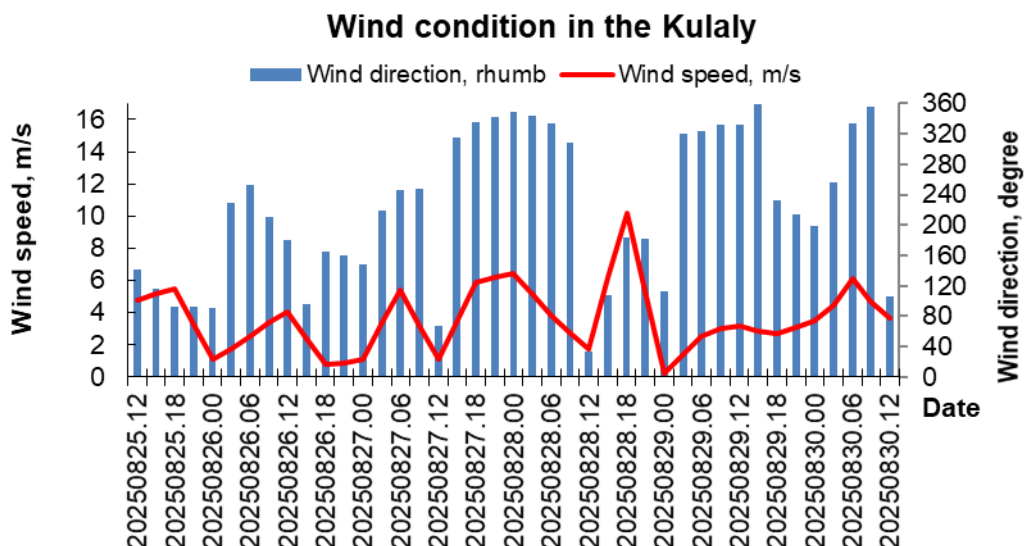




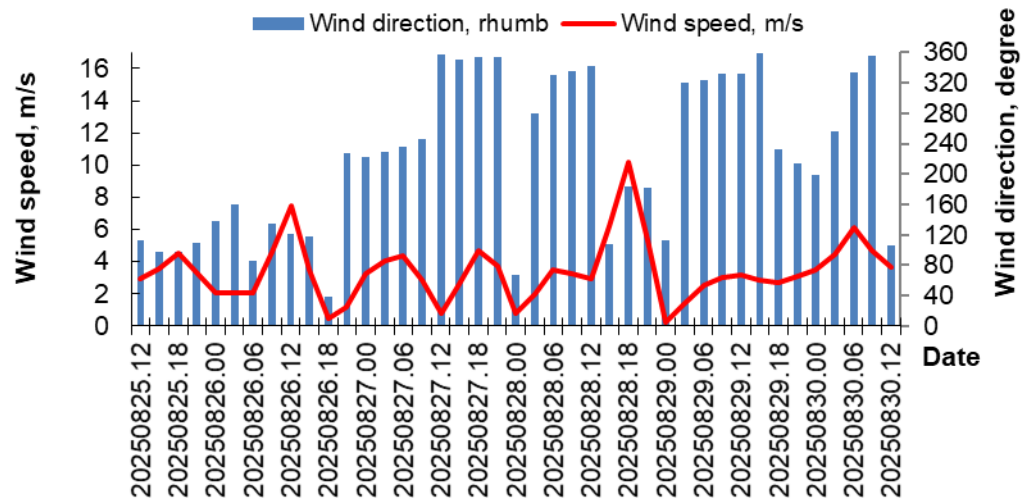
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period August 25 – 30, 2025.**

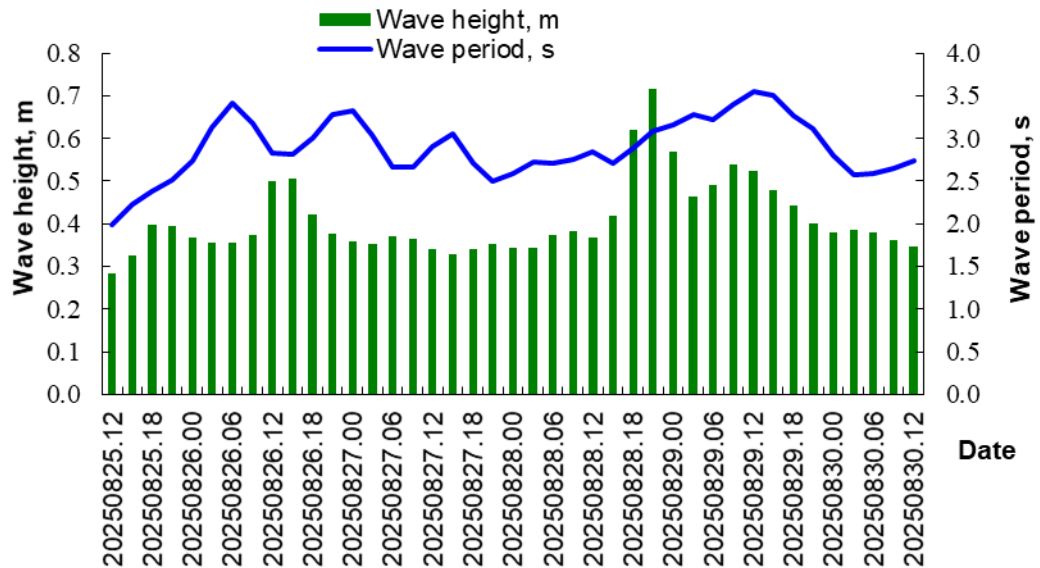


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.46	NW	2.3	5	SE
20250825.15	0.51	NW	2.6	5	SE
20250825.18	0.52	NW	2.7	6	E
20250825.21	0.42	NW	2.7	3	E
20250826.00	0.37	NW	3.0	1	E
20250826.03	0.36	NW	3.3	2	SW
20250826.06	0.36	NW	3.5	3	W
20250826.09	0.36	NW	3.5	3	SW
20250826.12	0.36	NW	3.2	4	S
20250826.15	0.37	NW	3.1	2	E
20250826.18	0.37	W	3.3	1	S
20250826.21	0.36	W	3.4	1	S
20250827.00	0.35	W	3.3	1	SE
20250827.03	0.36	W	3.2	3	SW
20250827.06	0.38	W	2.8	5	SW
20250827.09	0.38	W	2.7	3	SW
20250827.12	0.35	W	3.0	1	E
20250827.15	0.34	W	3.2	3	NW
20250827.18	0.35	SW	2.8	6	NW
20250827.21	0.41	S	2.4	6	N
20250828.00	0.47	S	2.4	6	N
20250828.03	0.46	S	2.5	5	N
20250828.06	0.40	S	2.5	4	NW
20250828.09	0.37	S	2.7	3	NW
20250828.12	0.36	S	3.0	2	NE
20250828.15	0.37	S	3.1	6	E
20250828.18	0.52	SW	2.8	10	S
20250828.21	0.57	SW	2.8	5	S
20250829.00	0.46	SW	3.0	0	SE
20250829.03	0.40	SW	3.3	1	NW
20250829.06	0.41	SW	3.3	3	NW
20250829.09	0.45	SW	3.4	3	NW
20250829.12	0.44	SW	3.4	3	NW
20250829.15	0.41	SW	3.2	3	N
20250829.18	0.39	SW	3.1	3	SW
20250829.21	0.39	SW	3.0	3	SW
20250830.00	0.38	SW	2.9	3	S
20250830.03	0.37	SW	2.7	4	W
20250830.06	0.39	SW	2.5	6	NW
20250830.09	0.40	S	2.5	5	N
20250830.12	0.37	SW	2.5	4	E

Wind condition in the Fort-Shevchenko

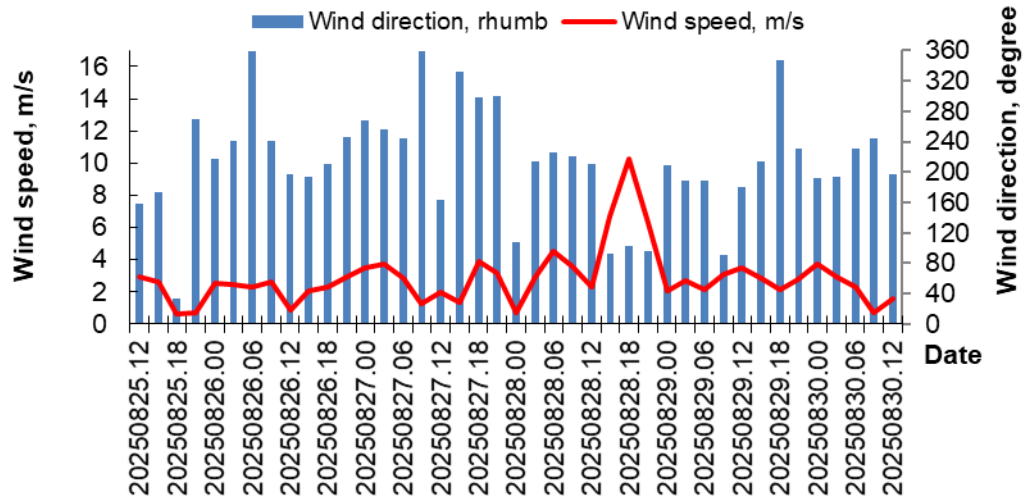


Wave condition in the Fort-Shevchenko

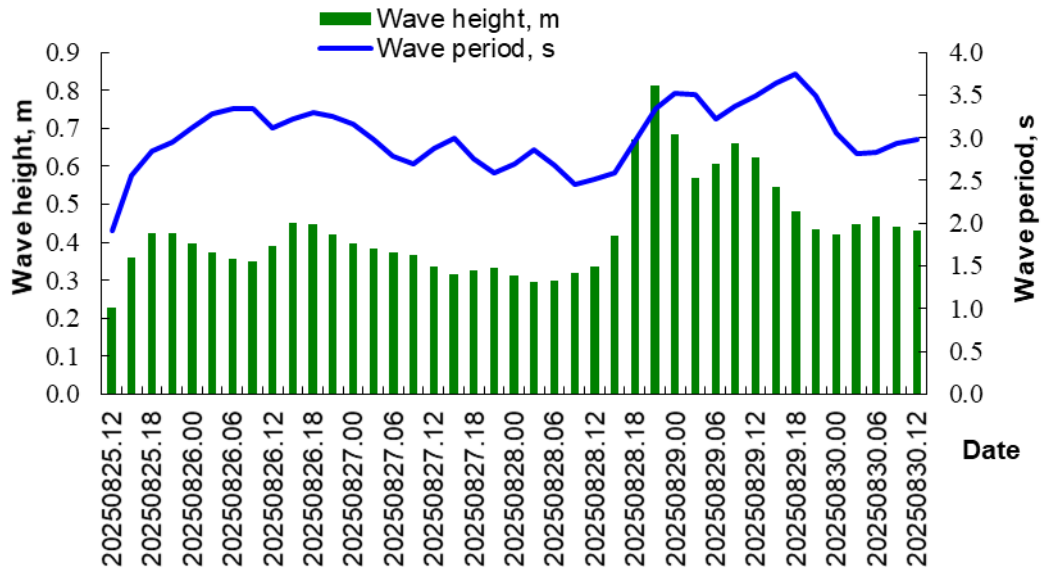


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.28	NW	2.0	3	SE
20250825.15	0.33	NW	2.2	4	E
20250825.18	0.40	NW	2.4	5	E
20250825.21	0.40	NW	2.5	3	E
20250826.00	0.37	NW	2.7	2	SE
20250826.03	0.36	NW	3.1	2	S
20250826.06	0.36	NW	3.4	2	E
20250826.09	0.37	NW	3.2	5	SE
20250826.12	0.50	NW	2.8	7	SE
20250826.15	0.51	NW	2.8	4	SE
20250826.18	0.42	NW	3.0	0	NE
20250826.21	0.38	NW	3.3	1	SW
20250827.00	0.36	W	3.3	3	SW
20250827.03	0.35	W	3.0	4	SW
20250827.06	0.37	W	2.7	4	SW
20250827.09	0.36	W	2.7	3	SW
20250827.12	0.34	W	2.9	1	N
20250827.15	0.33	W	3.1	3	N
20250827.18	0.34	SW	2.7	5	N
20250827.21	0.35	SW	2.5	4	N
20250828.00	0.34	SW	2.6	1	NE
20250828.03	0.34	SW	2.7	2	W
20250828.06	0.37	SW	2.7	3	NW
20250828.09	0.38	SW	2.8	3	NW
20250828.12	0.37	S	2.9	3	N
20250828.15	0.42	SW	2.7	6	E
20250828.18	0.62	SW	2.9	10	S
20250828.21	0.72	SW	3.1	5	S
20250829.00	0.57	SW	3.2	0	SE
20250829.03	0.46	SW	3.3	1	NW
20250829.06	0.49	SW	3.2	3	NW
20250829.09	0.54	SW	3.4	3	NW
20250829.12	0.52	SW	3.6	3	NW
20250829.15	0.48	SW	3.5	3	N
20250829.18	0.44	SW	3.3	3	SW
20250829.21	0.40	SW	3.1	3	SW
20250830.00	0.38	SW	2.8	3	S
20250830.03	0.39	SW	2.6	4	W
20250830.06	0.38	SW	2.6	6	NW
20250830.09	0.36	SW	2.7	5	N
20250830.12	0.35	SW	2.7	4	E

Wind condition in the Aktau

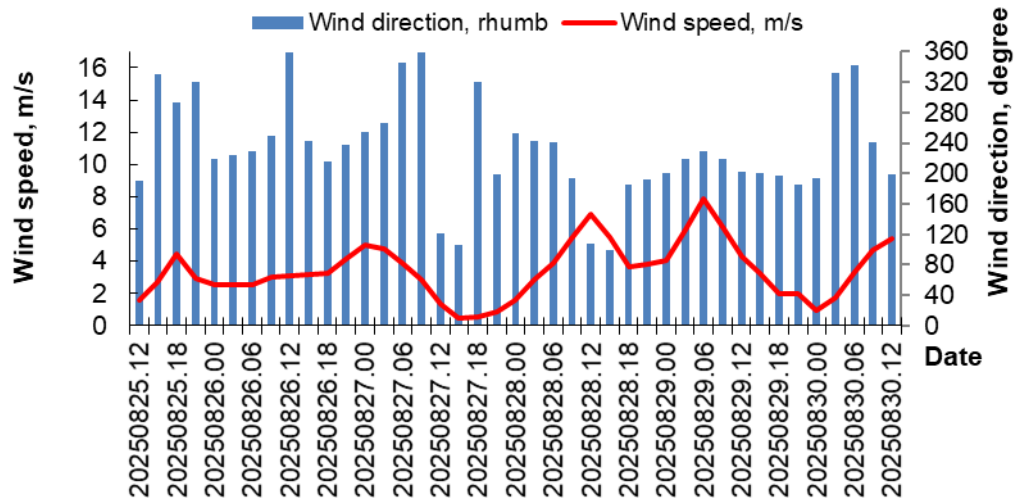


Wave condition in the Aktau

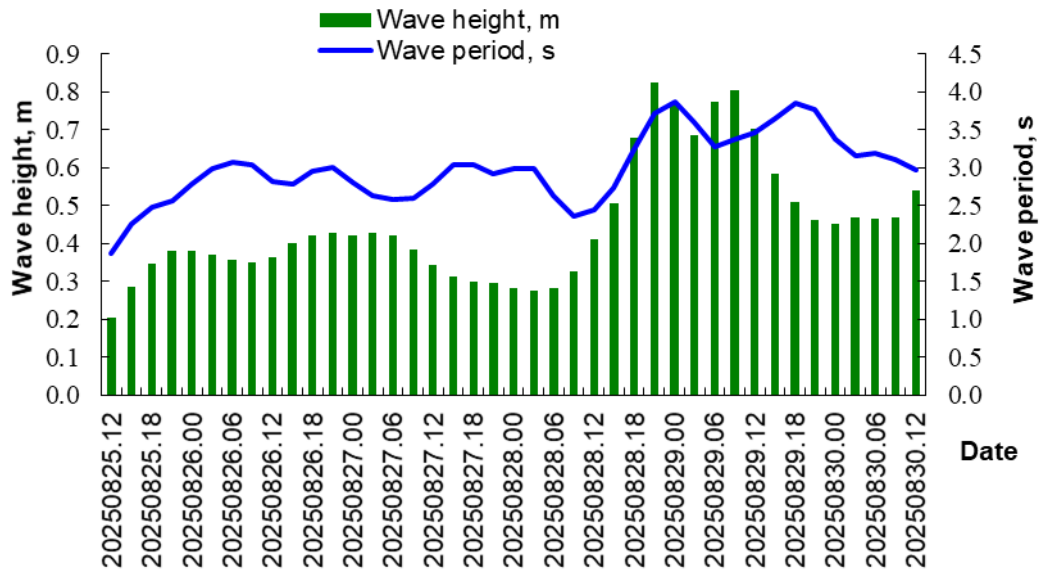


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250825.12	0.23	N	1.9	3	S
20250825.15	0.36	NW	2.6	3	S
20250825.18	0.42	NW	2.9	1	NE
20250825.21	0.42	NW	2.9	1	W
20250826.00	0.40	NW	3.1	3	SW
20250826.03	0.37	NW	3.3	2	SW
20250826.06	0.36	NW	3.3	2	N
20250826.09	0.35	NW	3.3	3	SW
20250826.12	0.39	W	3.1	1	S
20250826.15	0.45	W	3.2	2	S
20250826.18	0.45	W	3.3	2	SW
20250826.21	0.42	W	3.3	3	SW
20250827.00	0.40	W	3.2	3	W
20250827.03	0.38	W	3.0	4	W
20250827.06	0.37	W	2.8	3	SW
20250827.09	0.37	SW	2.7	1	N
20250827.12	0.34	SW	2.9	2	S
20250827.15	0.31	SW	3.0	1	NW
20250827.18	0.33	SW	2.7	4	NW
20250827.21	0.33	SW	2.6	3	NW
20250828.00	0.31	SW	2.7	1	E
20250828.03	0.30	SW	2.9	3	SW
20250828.06	0.30	SW	2.7	5	SW
20250828.09	0.32	SW	2.5	4	SW
20250828.12	0.34	SW	2.5	2	SW
20250828.15	0.42	W	2.6	7	E
20250828.18	0.67	W	3.0	10	E
20250828.21	0.81	W	3.3	6	E
20250829.00	0.68	W	3.5	2	SW
20250829.03	0.57	W	3.5	3	S
20250829.06	0.61	SW	3.2	2	S
20250829.09	0.66	SW	3.4	3	E
20250829.12	0.62	SW	3.5	4	S
20250829.15	0.55	SW	3.6	3	SW
20250829.18	0.48	SW	3.7	2	N
20250829.21	0.43	SW	3.5	3	SW
20250830.00	0.42	SW	3.1	4	S
20250830.03	0.45	SW	2.8	3	S
20250830.06	0.47	SW	2.8	2	SW
20250830.09	0.44	SW	2.9	1	SW
20250830.12	0.43	SW	3.0	2	S

Wind condition in the Peschanyi

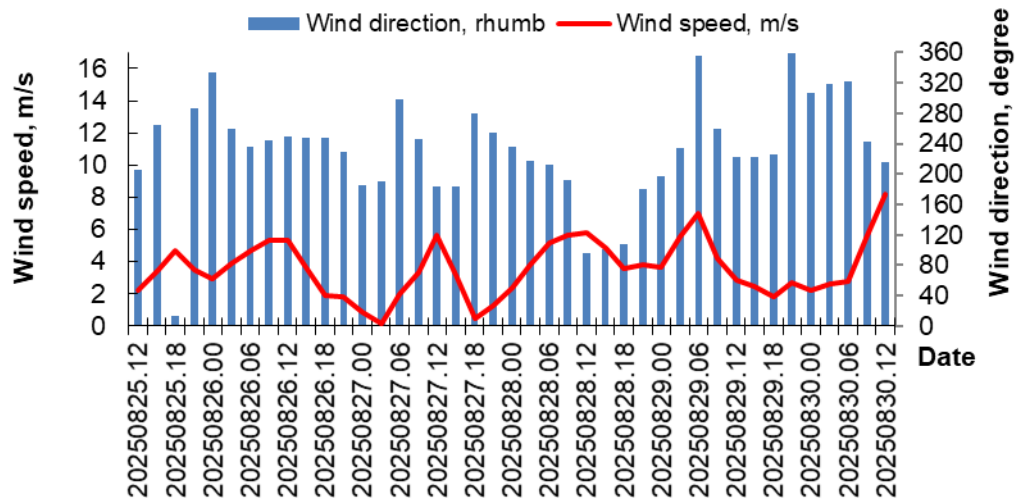


Wave condition in the Peschanyi

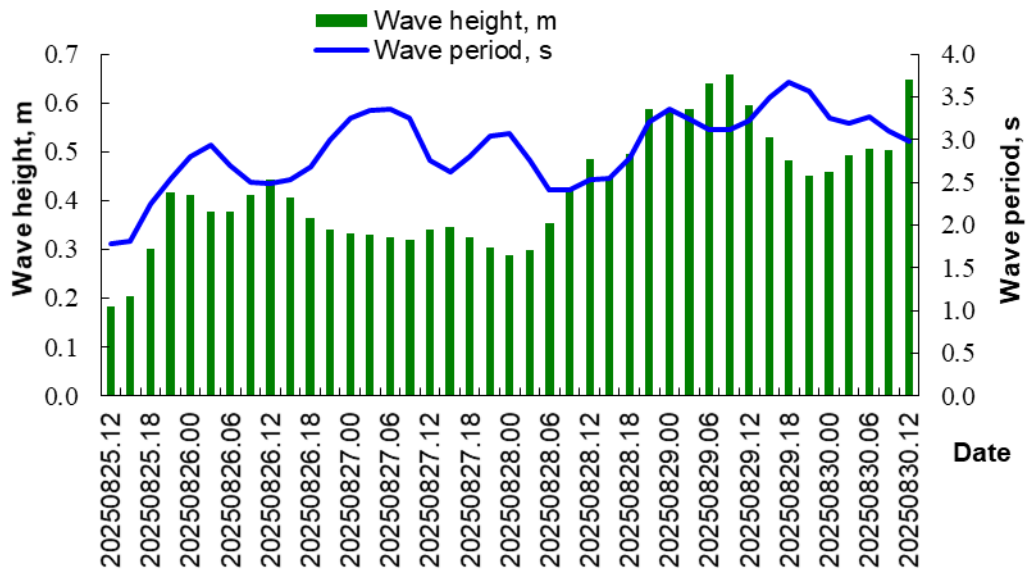


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.21	NW	1.9	2	S
20250825.15	0.29	NW	2.3	3	NW
20250825.18	0.35	NW	2.5	4	NW
20250825.21	0.38	NW	2.6	3	NW
20250826.00	0.38	NW	2.8	3	SW
20250826.03	0.37	W	3.0	3	SW
20250826.06	0.36	W	3.1	3	SW
20250826.09	0.35	W	3.0	3	W
20250826.12	0.36	W	2.8	3	N
20250826.15	0.40	W	2.8	3	SW
20250826.18	0.42	W	3.0	3	SW
20250826.21	0.43	W	3.0	4	SW
20250827.00	0.42	W	2.8	5	W
20250827.03	0.43	SW	2.6	5	W
20250827.06	0.42	SW	2.6	4	N
20250827.09	0.39	SW	2.6	3	N
20250827.12	0.34	SW	2.8	1	SE
20250827.15	0.31	SW	3.0	1	E
20250827.18	0.30	SW	3.0	1	NW
20250827.21	0.30	SW	2.9	1	S
20250828.00	0.28	SW	3.0	2	W
20250828.03	0.27	SW	3.0	3	SW
20250828.06	0.28	SW	2.6	4	SW
20250828.09	0.33	SW	2.4	5	S
20250828.12	0.41	W	2.4	7	E
20250828.15	0.51	W	2.7	5	E
20250828.18	0.68	W	3.2	4	S
20250828.21	0.83	W	3.7	4	S
20250829.00	0.77	W	3.9	4	S
20250829.03	0.69	W	3.6	6	SW
20250829.06	0.77	SW	3.3	8	SW
20250829.09	0.81	SW	3.4	6	SW
20250829.12	0.70	SW	3.5	4	S
20250829.15	0.58	SW	3.7	3	S
20250829.18	0.51	SW	3.9	2	S
20250829.21	0.46	SW	3.8	2	S
20250830.00	0.45	SW	3.4	1	S
20250830.03	0.47	SW	3.2	2	NW
20250830.06	0.46	SW	3.2	3	N
20250830.09	0.47	SW	3.1	5	SW
20250830.12	0.54	SW	3.0	5	S

Wind condition in the Fetisovo

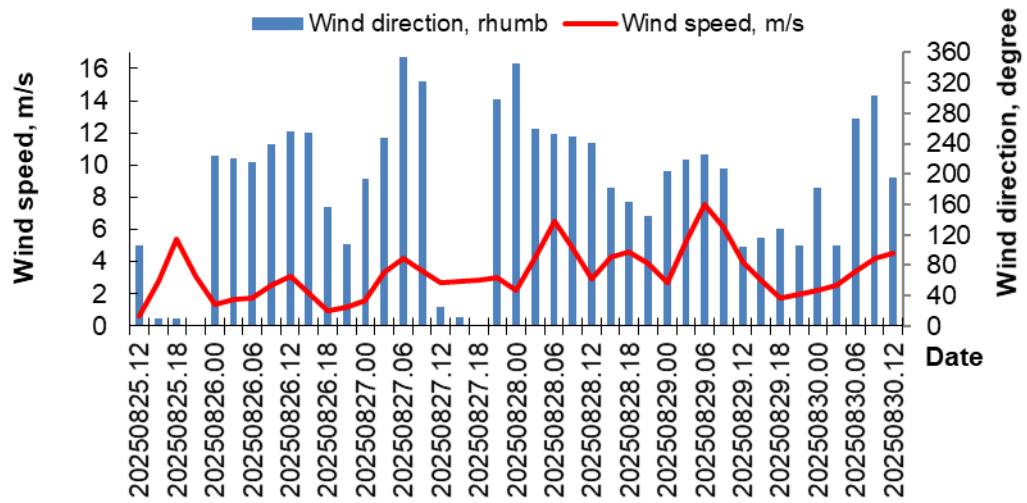


Wave condition in the Fetisovo

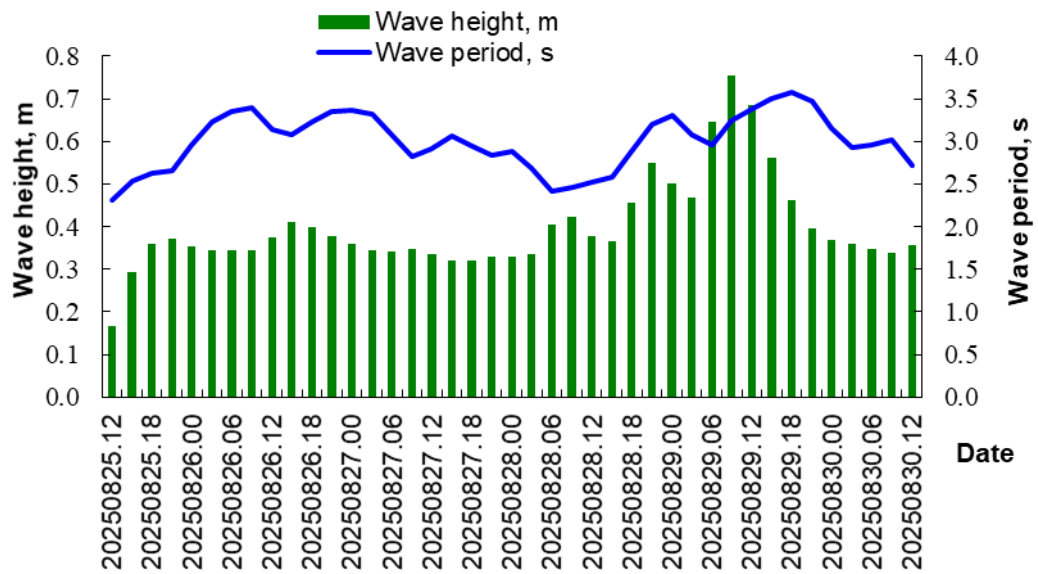


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.18	SW	1.8	2	SW
20250825.15	0.20	SW	1.8	3	W
20250825.18	0.30	W	2.2	5	N
20250825.21	0.42	W	2.5	3	W
20250826.00	0.41	W	2.8	3	NW
20250826.03	0.38	W	2.9	4	W
20250826.06	0.38	W	2.7	5	SW
20250826.09	0.41	W	2.5	5	SW
20250826.12	0.44	SW	2.5	5	W
20250826.15	0.41	SW	2.5	4	W
20250826.18	0.36	SW	2.7	2	W
20250826.21	0.34	W	3.0	2	SW
20250827.00	0.33	W	3.2	1	S
20250827.03	0.33	W	3.3	0	S
20250827.06	0.32	W	3.4	2	NW
20250827.09	0.32	W	3.3	3	SW
20250827.12	0.34	W	2.8	6	S
20250827.15	0.35	W	2.6	3	S
20250827.18	0.33	W	2.8	0	W
20250827.21	0.30	W	3.0	1	W
20250828.00	0.29	W	3.1	2	SW
20250828.03	0.30	SW	2.8	4	SW
20250828.06	0.35	SW	2.4	5	SW
20250828.09	0.43	SW	2.4	6	S
20250828.12	0.48	W	2.5	6	E
20250828.15	0.45	W	2.5	5	E
20250828.18	0.50	W	2.8	4	E
20250828.21	0.59	W	3.2	4	S
20250829.00	0.58	W	3.4	4	S
20250829.03	0.59	W	3.2	6	SW
20250829.06	0.64	W	3.1	7	N
20250829.09	0.66	SW	3.1	4	W
20250829.12	0.59	SW	3.2	3	SW
20250829.15	0.53	W	3.5	3	SW
20250829.18	0.48	W	3.7	2	SW
20250829.21	0.45	SW	3.6	3	N
20250830.00	0.46	SW	3.3	2	NW
20250830.03	0.49	SW	3.2	3	NW
20250830.06	0.51	SW	3.3	3	NW
20250830.09	0.50	SW	3.1	6	SW
20250830.12	0.65	SW	3.0	8	SW

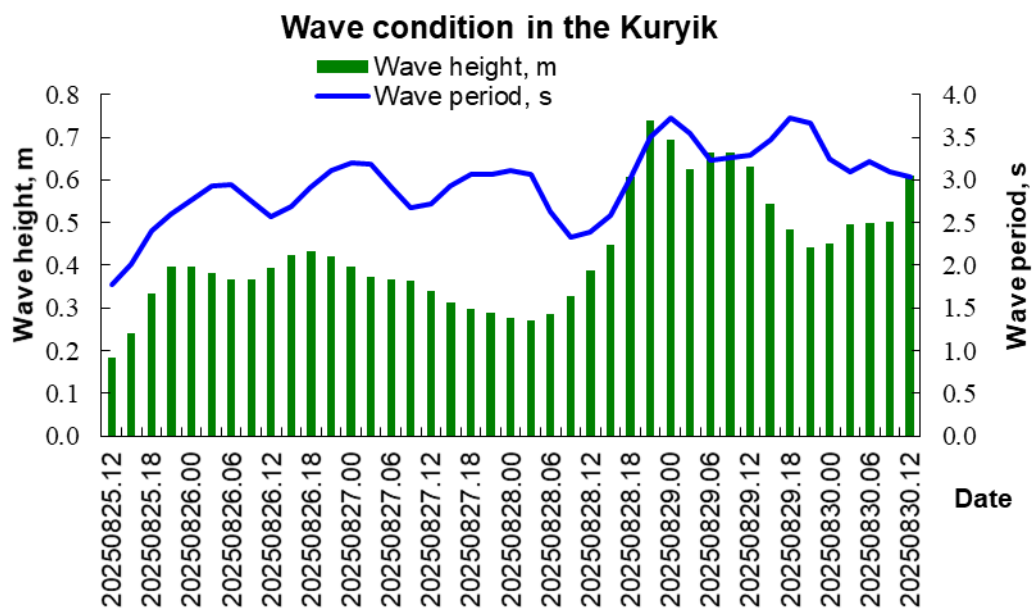
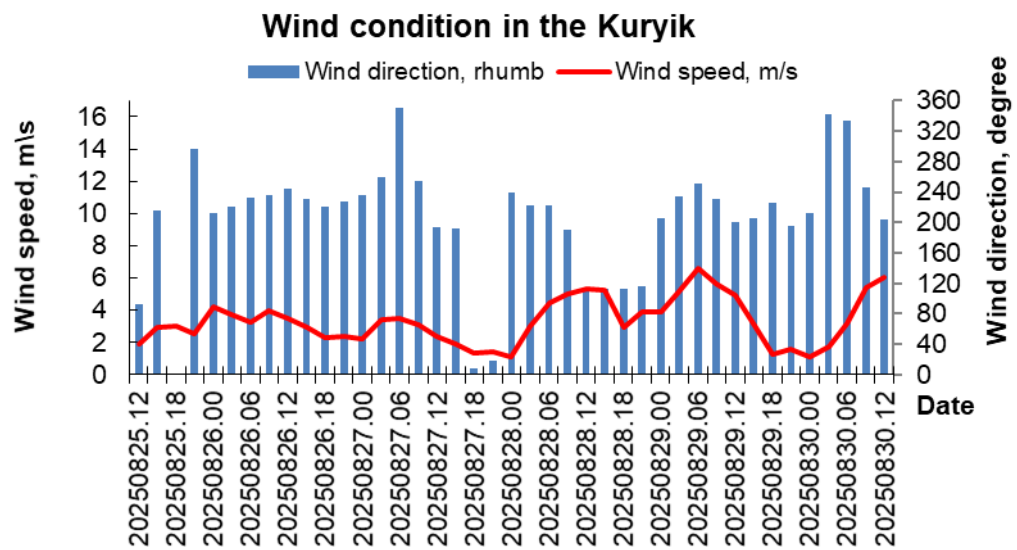
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.17	NW	2.3	1	E
20250825.15	0.29	NW	2.5	3	N
20250825.18	0.36	NW	2.6	5	N
20250825.21	0.37	NW	2.7	3	N
20250826.00	0.36	NW	3.0	1	SW
20250826.03	0.35	NW	3.2	2	SW
20250826.06	0.34	NW	3.4	2	SW
20250826.09	0.34	NW	3.4	3	SW
20250826.12	0.37	NW	3.1	3	W
20250826.15	0.41	NW	3.1	2	W
20250826.18	0.40	NW	3.2	1	SE
20250826.21	0.38	W	3.3	1	E
20250827.00	0.36	W	3.4	2	S
20250827.03	0.35	W	3.3	3	SW
20250827.06	0.34	W	3.1	4	N
20250827.09	0.35	W	2.8	3	NW
20250827.12	0.33	SW	2.9	3	NE
20250827.15	0.32	W	3.1	3	N
20250827.18	0.32	SW	3.0	3	N
20250827.21	0.33	SW	2.8	3	NW
20250828.00	0.33	SW	2.9	2	N
20250828.03	0.34	SW	2.7	4	W
20250828.06	0.40	S	2.4	7	W
20250828.09	0.42	SW	2.5	5	W
20250828.12	0.38	SW	2.5	3	SW
20250828.15	0.37	SW	2.6	4	S
20250828.18	0.46	SW	2.9	5	S
20250828.21	0.55	W	3.2	4	SE
20250829.00	0.50	W	3.3	3	SW
20250829.03	0.47	SW	3.1	5	SW
20250829.06	0.65	SW	3.0	8	SW
20250829.09	0.75	SW	3.2	6	SW
20250829.12	0.69	SW	3.4	4	E
20250829.15	0.56	SW	3.5	3	SE
20250829.18	0.46	SW	3.6	2	SE
20250829.21	0.40	SW	3.5	2	E
20250830.00	0.37	SW	3.2	2	S
20250830.03	0.36	SW	2.9	3	E
20250830.06	0.35	SW	3.0	3	W
20250830.09	0.34	SW	3.0	4	NW
20250830.12	0.36	SW	2.7	5	S



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250825.12	0.18	NW	1.8	2	E
20250825.15	0.24	NW	2.0	3	SW
20250825.18	0.33	NW	2.4	3	N
20250825.21	0.40	NW	2.6	3	NW
20250826.00	0.40	W	2.8	4	SW
20250826.03	0.38	W	2.9	4	SW
20250826.06	0.37	W	2.9	3	SW
20250826.09	0.37	W	2.8	4	SW
20250826.12	0.39	W	2.6	3	SW
20250826.15	0.43	W	2.7	3	SW
20250826.18	0.43	W	2.9	2	SW
20250826.21	0.42	W	3.1	2	SW
20250827.00	0.40	W	3.2	2	SW
20250827.03	0.37	W	3.2	3	W
20250827.06	0.37	W	2.9	4	N
20250827.09	0.36	SW	2.7	3	W
20250827.12	0.34	SW	2.7	2	S
20250827.15	0.31	W	2.9	2	S
20250827.18	0.30	W	3.1	1	N
20250827.21	0.29	W	3.1	1	N
20250828.00	0.28	W	3.1	1	SW
20250828.03	0.27	W	3.1	3	SW
20250828.06	0.29	SW	2.6	4	SW
20250828.09	0.33	SW	2.3	5	S
20250828.12	0.39	W	2.4	5	E
20250828.15	0.45	W	2.6	5	SE
20250828.18	0.61	W	3.0	3	E
20250828.21	0.74	W	3.5	4	SE
20250829.00	0.69	W	3.7	4	SW
20250829.03	0.62	W	3.5	5	SW
20250829.06	0.66	SW	3.2	7	W
20250829.09	0.66	SW	3.3	6	SW
20250829.12	0.63	SW	3.3	5	S
20250829.15	0.54	SW	3.5	3	SW
20250829.18	0.48	SW	3.7	1	SW
20250829.21	0.44	SW	3.7	2	S
20250830.00	0.45	SW	3.2	1	SW
20250830.03	0.50	SW	3.1	2	N
20250830.06	0.50	SW	3.2	3	NW
20250830.09	0.50	SW	3.1	5	SW
20250830.12	0.61	SW	3.0	6	SW

**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