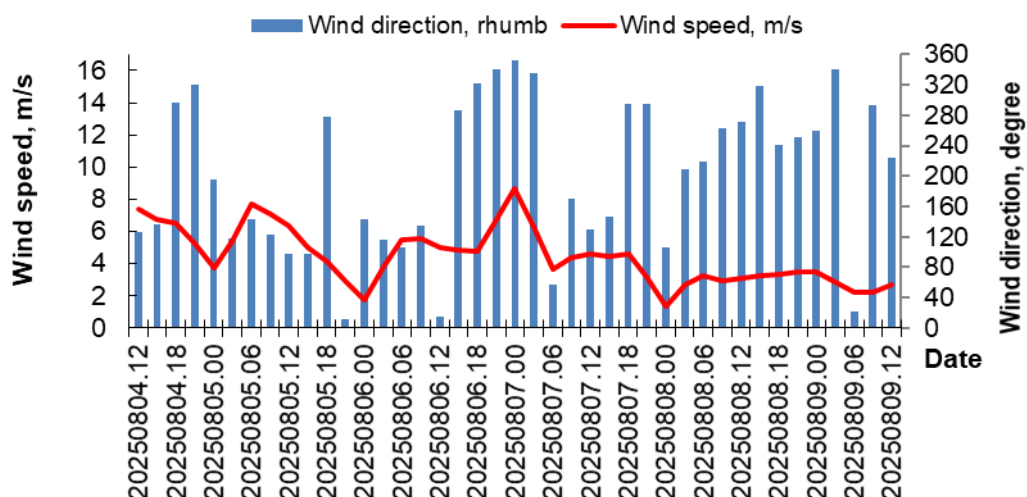




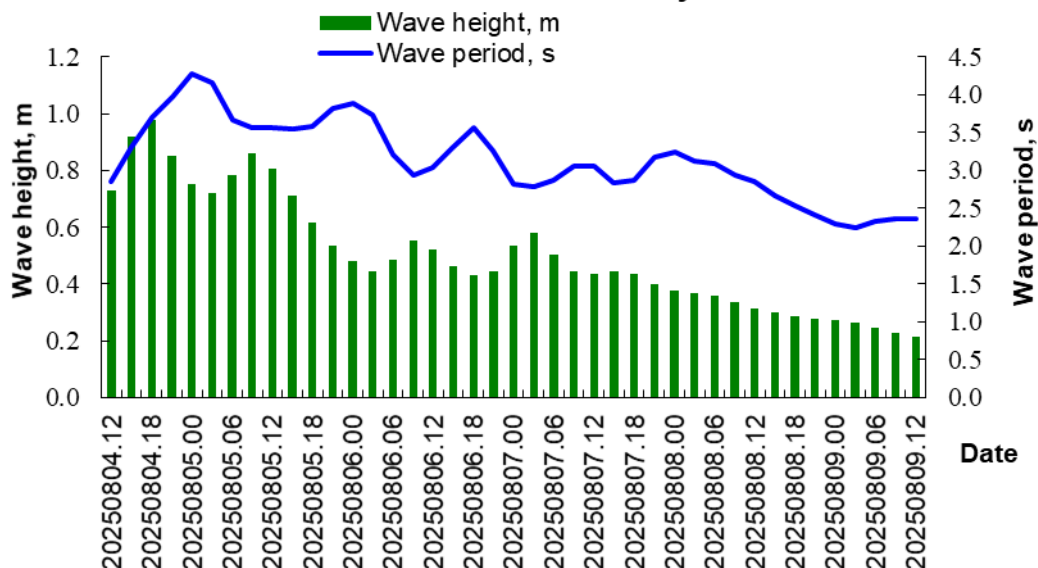
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 04 – 09, 2025.**

Wind condition in the Kulaly

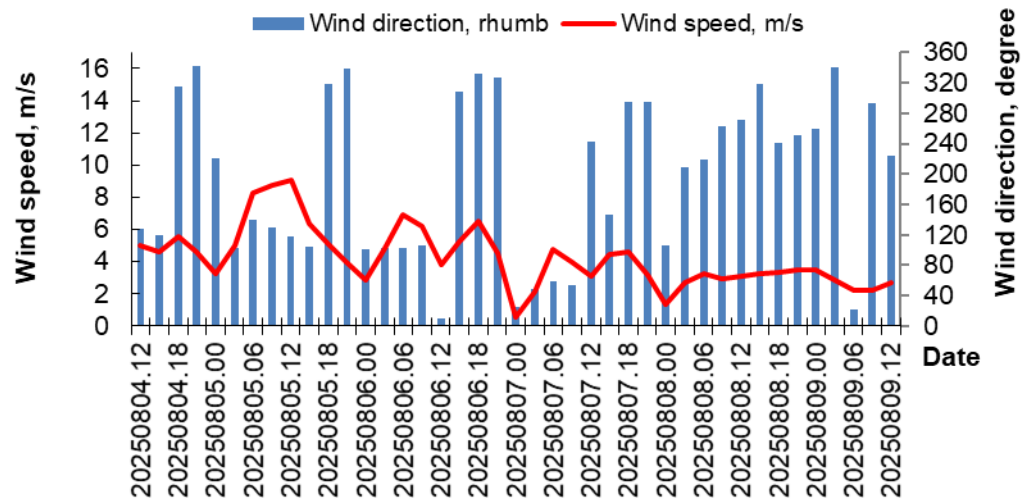


Wave condition in the Kulaly

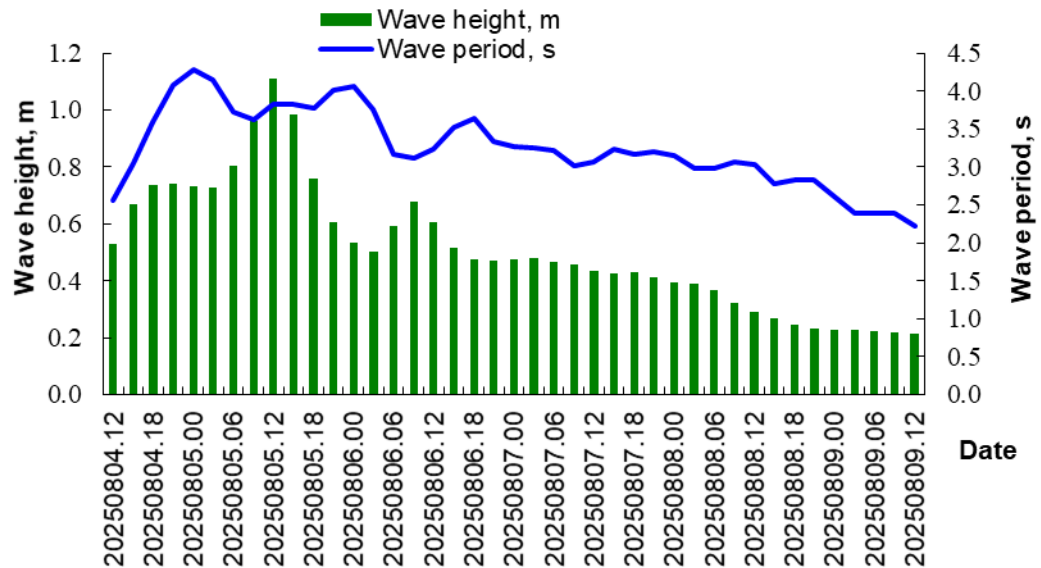


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.73	NW	2.8	7	SE
20250804.15	0.92	NW	3.3	7	SE
20250804.18	0.98	NW	3.7	6	NW
20250804.21	0.85	NW	4.0	5	NW
20250805.00	0.75	NW	4.3	4	S
20250805.03	0.72	NW	4.2	5	SE
20250805.06	0.78	NW	3.7	8	SE
20250805.09	0.86	NW	3.6	7	SE
20250805.12	0.81	NW	3.6	6	E
20250805.15	0.71	NW	3.5	5	E
20250805.18	0.62	NW	3.6	4	W
20250805.21	0.53	NW	3.8	3	N
20250806.00	0.48	NW	3.9	2	SE
20250806.03	0.45	NW	3.7	4	SE
20250806.06	0.48	NW	3.2	5	E
20250806.09	0.55	NW	2.9	6	SE
20250806.12	0.52	NW	3.0	5	N
20250806.15	0.46	NW	3.3	5	W
20250806.18	0.43	NW	3.6	5	NW
20250806.21	0.44	SE	3.3	7	N
20250807.00	0.53	SE	2.8	9	N
20250807.03	0.58	SE	2.8	6	NW
20250807.06	0.50	SE	2.9	4	NE
20250807.09	0.45	SE	3.1	4	S
20250807.12	0.43	SE	3.1	5	SE
20250807.15	0.45	E	2.8	4	SE
20250807.18	0.44	E	2.9	5	NW
20250807.21	0.40	SE	3.2	3	NW
20250808.00	0.38	SE	3.2	1	E
20250808.03	0.37	SE	3.1	3	SW
20250808.06	0.36	SE	3.1	3	SW
20250808.09	0.34	SE	2.9	3	W
20250808.12	0.32	SE	2.9	3	W
20250808.15	0.30	SE	2.7	3	NW
20250808.18	0.29	S	2.5	3	SW
20250808.21	0.28	S	2.4	3	W
20250809.00	0.27	S	2.3	4	W
20250809.03	0.26	S	2.2	3	N
20250809.06	0.25	S	2.3	2	N
20250809.09	0.23	SW	2.4	2	NW
20250809.12	0.21	SW	2.4	3	SW

Wind condition in the Fort-Shevchenko

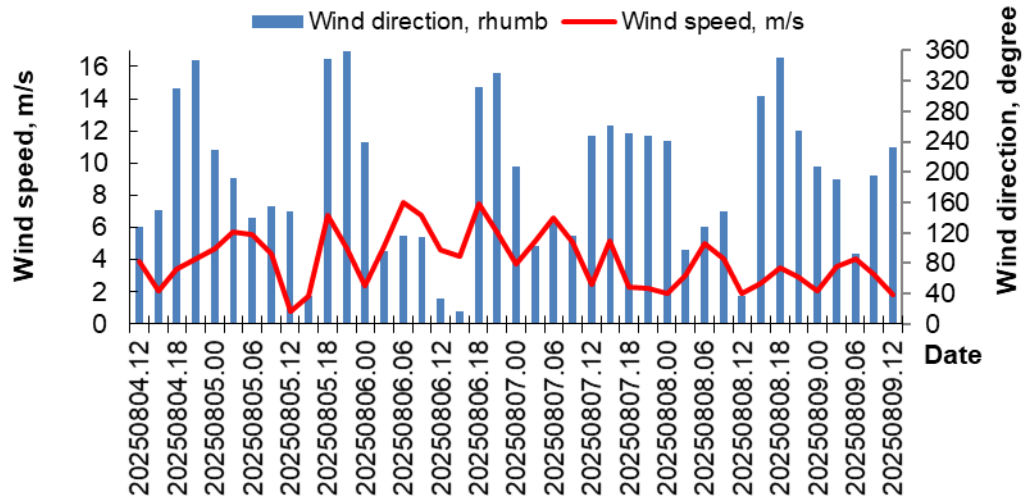


Wave condition in the Fort-Shevchenko

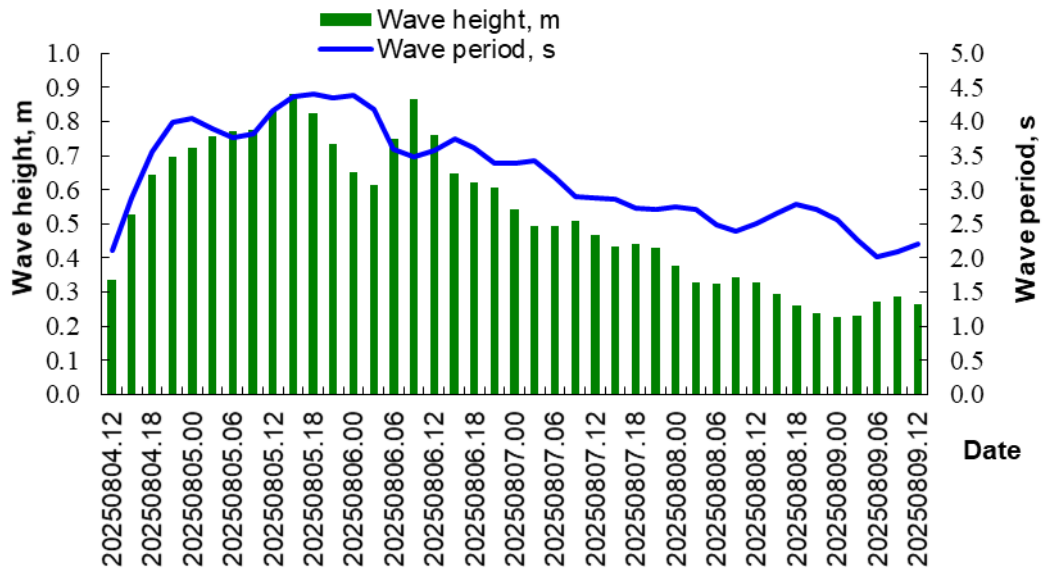


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.53	NW	2.6	5	SE
20250804.15	0.67	NW	3.1	5	SE
20250804.18	0.74	NW	3.6	6	NW
20250804.21	0.74	NW	4.1	5	N
20250805.00	0.73	NW	4.3	3	SW
20250805.03	0.73	NW	4.2	5	E
20250805.06	0.80	NW	3.7	8	SE
20250805.09	0.96	NW	3.6	9	SE
20250805.12	1.11	NW	3.8	9	SE
20250805.15	0.98	NW	3.8	6	E
20250805.18	0.76	NW	3.8	5	NW
20250805.21	0.61	NW	4.0	4	N
20250806.00	0.53	NW	4.1	3	E
20250806.03	0.50	NW	3.8	5	E
20250806.06	0.59	NW	3.2	7	E
20250806.09	0.68	NW	3.1	6	E
20250806.12	0.60	NW	3.2	4	N
20250806.15	0.52	NW	3.5	5	NW
20250806.18	0.47	NW	3.6	7	NW
20250806.21	0.47	E	3.3	5	NW
20250807.00	0.48	SE	3.3	1	NE
20250807.03	0.48	SE	3.3	2	NE
20250807.06	0.47	SE	3.2	5	NE
20250807.09	0.46	SE	3.0	4	NE
20250807.12	0.43	E	3.1	3	SW
20250807.15	0.43	E	3.2	4	SE
20250807.18	0.43	SE	3.2	5	NW
20250807.21	0.41	SE	3.2	3	NW
20250808.00	0.39	SE	3.1	1	E
20250808.03	0.39	SE	3.0	3	SW
20250808.06	0.37	SE	3.0	3	SW
20250808.09	0.32	S	3.1	3	W
20250808.12	0.29	S	3.0	3	W
20250808.15	0.27	S	2.8	3	NW
20250808.18	0.25	S	2.8	3	SW
20250808.21	0.23	SW	2.8	3	W
20250809.00	0.23	SW	2.6	4	W
20250809.03	0.23	SW	2.4	3	N
20250809.06	0.22	SW	2.4	2	N
20250809.09	0.22	SW	2.4	2	NW
20250809.12	0.21	SW	2.2	3	SW

Wind condition in the Aktau

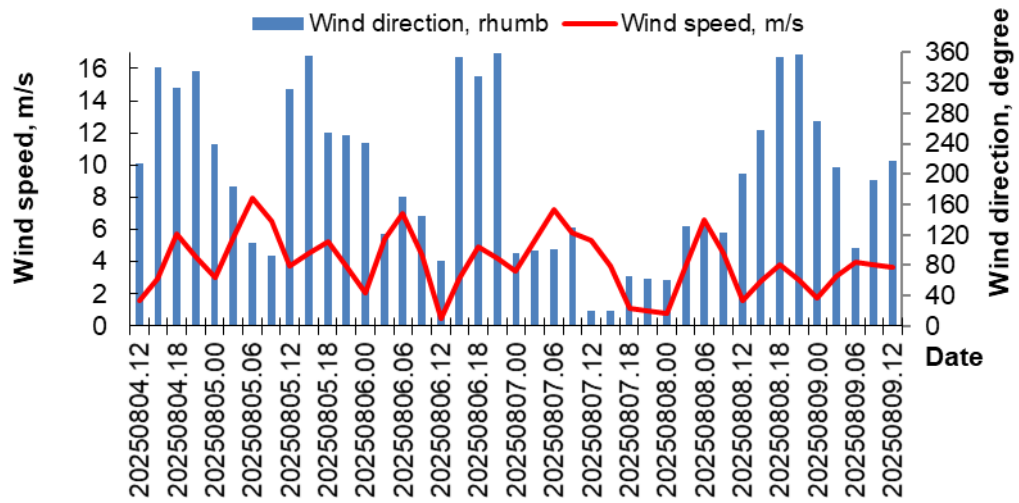


Wave condition in the Aktau

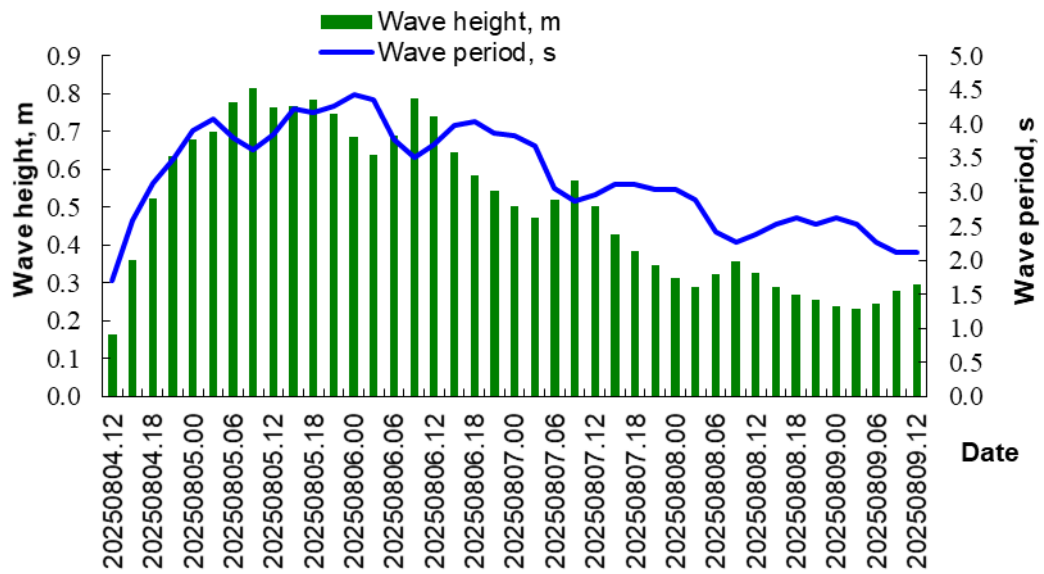


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250804.12	0.33	NW	2.1	4	SE
20250804.15	0.53	NW	2.9	2	SE
20250804.18	0.64	W	3.6	3	NW
20250804.21	0.70	W	4.0	4	N
20250805.00	0.72	W	4.0	5	SW
20250805.03	0.76	W	3.9	6	S
20250805.06	0.77	W	3.8	6	SE
20250805.09	0.78	W	3.8	4	SE
20250805.12	0.83	NW	4.1	1	SE
20250805.15	0.88	NW	4.4	2	NE
20250805.18	0.82	NW	4.4	7	N
20250805.21	0.73	NW	4.3	5	N
20250806.00	0.65	NW	4.4	2	SW
20250806.03	0.61	NW	4.2	5	E
20250806.06	0.75	NW	3.6	8	SE
20250806.09	0.86	NW	3.5	7	SE
20250806.12	0.76	NW	3.6	5	NE
20250806.15	0.65	NW	3.7	4	N
20250806.18	0.62	N	3.6	7	NW
20250806.21	0.60	E	3.4	6	NW
20250807.00	0.54	SE	3.4	4	SW
20250807.03	0.49	SW	3.4	5	E
20250807.06	0.49	W	3.2	7	SE
20250807.09	0.51	W	2.9	5	SE
20250807.12	0.47	NW	2.9	2	SW
20250807.15	0.43	W	2.9	5	W
20250807.18	0.44	SW	2.7	2	W
20250807.21	0.43	S	2.7	2	SW
20250808.00	0.38	S	2.7	2	SW
20250808.03	0.33	S	2.7	3	E
20250808.06	0.33	SW	2.5	5	SE
20250808.09	0.34	W	2.4	4	SE
20250808.12	0.33	W	2.5	2	NE
20250808.15	0.29	W	2.7	3	NW
20250808.18	0.26	W	2.8	4	N
20250808.21	0.24	W	2.7	3	W
20250809.00	0.23	W	2.6	2	SW
20250809.03	0.23	W	2.3	4	S
20250809.06	0.27	W	2.0	4	E
20250809.09	0.29	W	2.1	3	S
20250809.12	0.26	W	2.2	2	SW

Wind condition in the Peschanyi

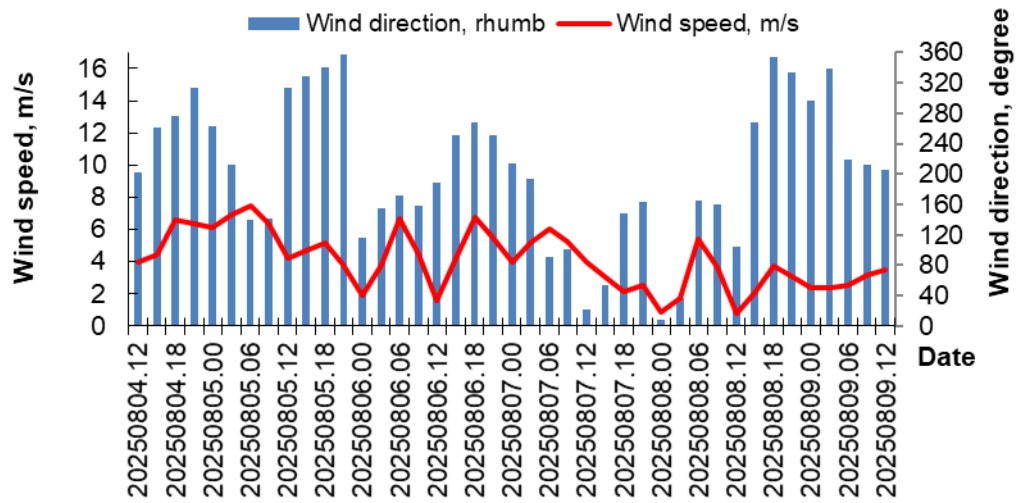


Wave condition in the Peschanyi

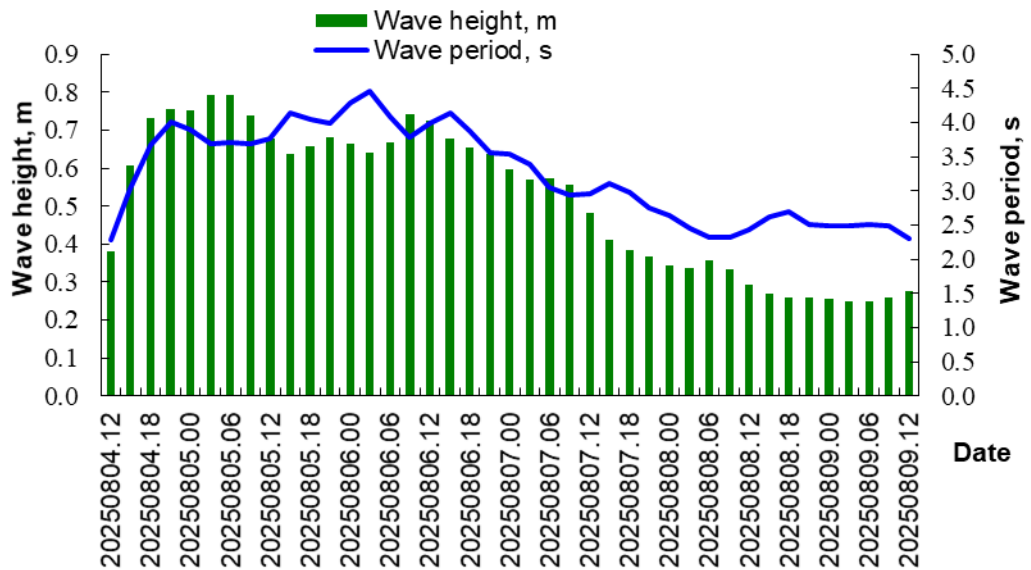


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.16	W	1.7	2	SW
20250804.15	0.36	W	2.6	3	N
20250804.18	0.52	W	3.1	6	NW
20250804.21	0.64	W	3.5	4	NW
20250805.00	0.68	W	3.9	3	SW
20250805.03	0.70	W	4.1	6	S
20250805.06	0.78	W	3.8	8	E
20250805.09	0.81	W	3.6	7	E
20250805.12	0.76	W	3.8	4	NW
20250805.15	0.77	W	4.2	5	N
20250805.18	0.78	W	4.2	5	W
20250805.21	0.75	W	4.3	4	W
20250806.00	0.69	NW	4.4	2	SW
20250806.03	0.64	NW	4.4	5	SE
20250806.06	0.69	NW	3.8	7	S
20250806.09	0.79	NW	3.5	4	SE
20250806.12	0.74	NW	3.7	0	E
20250806.15	0.65	NW	4.0	3	N
20250806.18	0.58	NW	4.0	5	NW
20250806.21	0.54	NW	3.9	4	N
20250807.00	0.50	NW	3.8	3	E
20250807.03	0.47	W	3.7	5	E
20250807.06	0.52	W	3.1	7	E
20250807.09	0.57	W	2.9	6	SE
20250807.12	0.50	NW	3.0	5	N
20250807.15	0.43	NW	3.1	4	N
20250807.18	0.38	W	3.1	1	NE
20250807.21	0.35	W	3.0	1	NE
20250808.00	0.31	SW	3.0	1	NE
20250808.03	0.29	SW	2.9	4	SE
20250808.06	0.32	W	2.4	7	SE
20250808.09	0.36	NW	2.3	5	SE
20250808.12	0.33	W	2.4	2	S
20250808.15	0.29	W	2.5	3	W
20250808.18	0.27	W	2.6	4	N
20250808.21	0.26	W	2.5	3	N
20250809.00	0.24	W	2.6	2	W
20250809.03	0.23	W	2.5	3	SW
20250809.06	0.24	W	2.3	4	E
20250809.09	0.28	W	2.1	4	S
20250809.12	0.29	W	2.1	4	SW

Wind condition in the Fetisovo

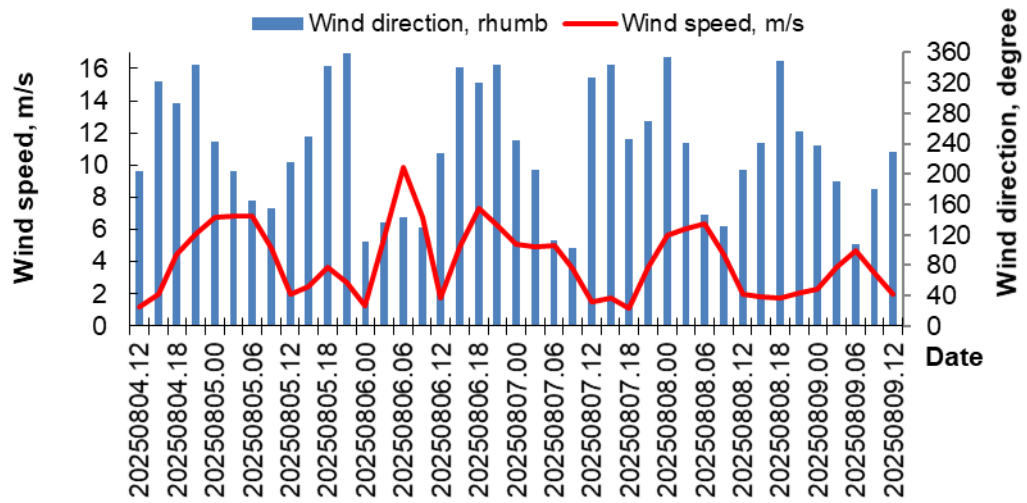


Wave condition in the Fetisovo

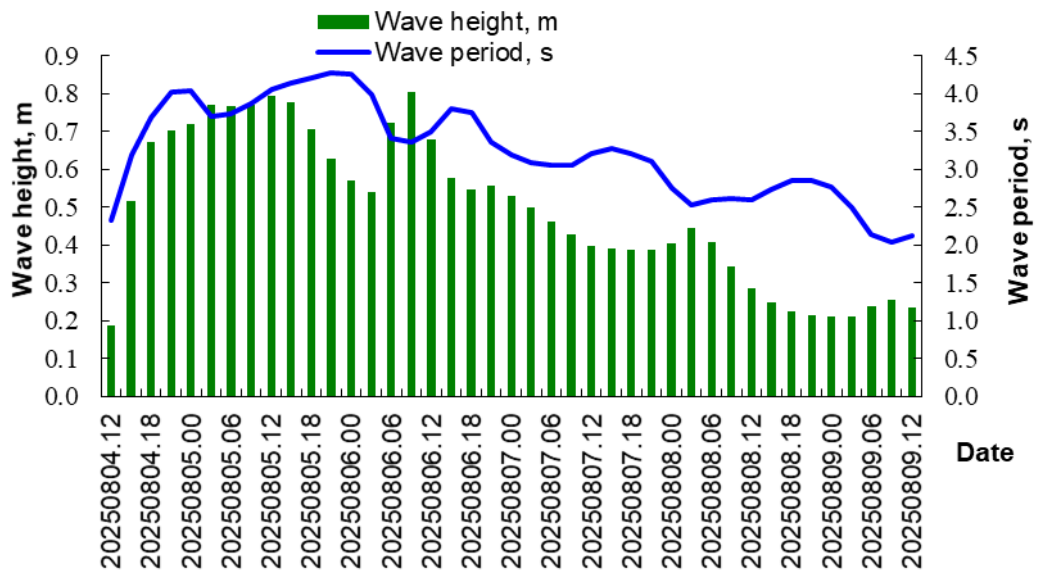


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.38	W	2.3	4	S
20250804.15	0.61	W	3.0	4	W
20250804.18	0.73	W	3.7	7	W
20250804.21	0.76	W	4.0	6	NW
20250805.00	0.75	W	3.9	6	W
20250805.03	0.79	W	3.7	7	SW
20250805.06	0.79	W	3.7	7	SE
20250805.09	0.74	W	3.7	6	SE
20250805.12	0.68	W	3.8	4	NW
20250805.15	0.64	W	4.1	5	NW
20250805.18	0.66	W	4.0	5	N
20250805.21	0.68	W	4.0	4	N
20250806.00	0.66	NW	4.3	2	SE
20250806.03	0.64	NW	4.5	4	SE
20250806.06	0.67	NW	4.1	7	S
20250806.09	0.74	NW	3.8	4	S
20250806.12	0.72	NW	4.0	2	S
20250806.15	0.68	NW	4.1	4	W
20250806.18	0.66	NW	3.9	7	W
20250806.21	0.64	W	3.6	6	W
20250807.00	0.60	W	3.5	4	SW
20250807.03	0.57	W	3.4	5	S
20250807.06	0.57	W	3.0	6	E
20250807.09	0.56	W	2.9	5	E
20250807.12	0.48	W	3.0	4	N
20250807.15	0.41	NW	3.1	3	NE
20250807.18	0.38	NW	3.0	2	SE
20250807.21	0.37	NW	2.8	3	S
20250808.00	0.34	NW	2.6	1	N
20250808.03	0.34	NW	2.5	2	NE
20250808.06	0.36	N	2.3	5	S
20250808.09	0.33	NW	2.3	4	S
20250808.12	0.29	NW	2.4	1	E
20250808.15	0.27	NW	2.6	2	W
20250808.18	0.26	NW	2.7	4	N
20250808.21	0.26	W	2.5	3	NW
20250809.00	0.26	W	2.5	2	NW
20250809.03	0.25	W	2.5	2	N
20250809.06	0.25	W	2.5	3	SW
20250809.09	0.26	W	2.5	3	SW
20250809.12	0.28	W	2.3	4	SW

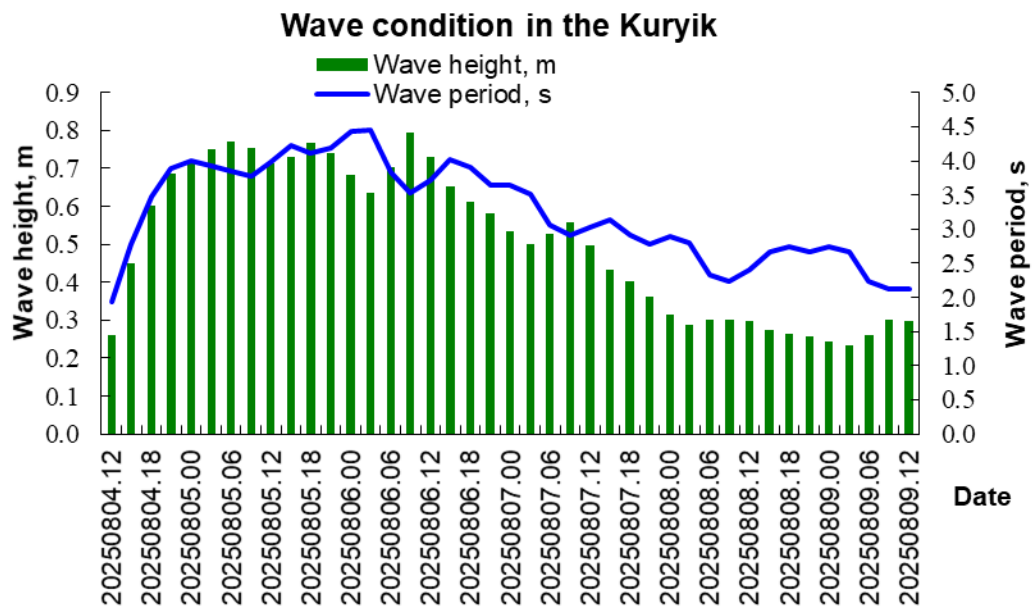
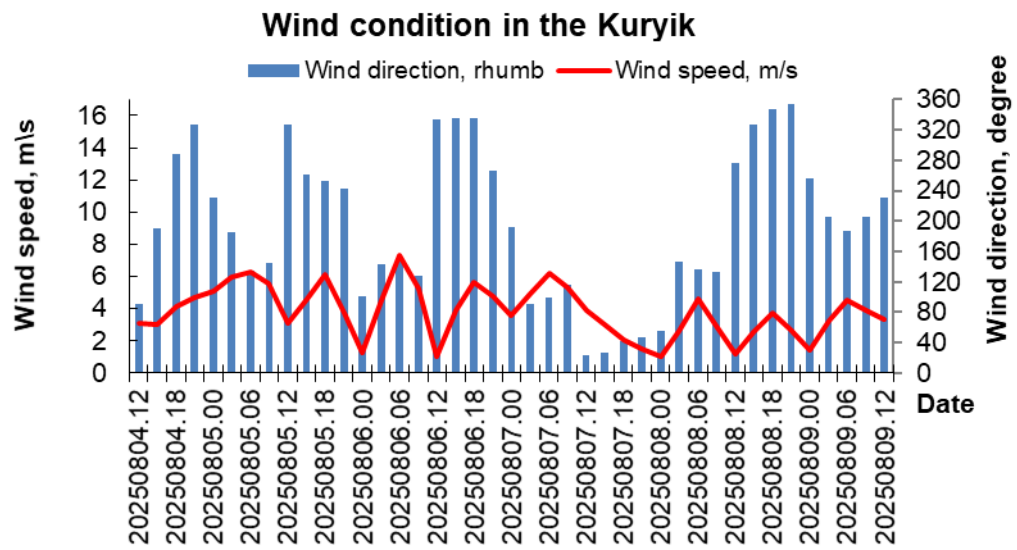
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.19	NW	2.3	1	SW
20250804.15	0.52	W	3.2	2	NW
20250804.18	0.67	W	3.7	4	NW
20250804.21	0.70	W	4.0	6	N
20250805.00	0.72	W	4.0	7	SW
20250805.03	0.77	W	3.7	7	SW
20250805.06	0.77	W	3.7	7	S
20250805.09	0.77	NW	3.9	5	SE
20250805.12	0.79	NW	4.1	2	SW
20250805.15	0.78	NW	4.1	2	W
20250805.18	0.71	NW	4.2	4	N
20250805.21	0.63	NW	4.3	3	N
20250806.00	0.57	NW	4.3	1	E
20250806.03	0.54	NW	4.0	6	SE
20250806.06	0.72	NW	3.4	10	SE
20250806.09	0.80	NW	3.4	7	SE
20250806.12	0.68	NW	3.5	2	SW
20250806.15	0.58	NW	3.8	5	N
20250806.18	0.55	N	3.7	7	NW
20250806.21	0.56	E	3.4	6	N
20250807.00	0.53	SE	3.2	5	SW
20250807.03	0.50	S	3.1	5	SW
20250807.06	0.46	S	3.1	5	E
20250807.09	0.43	S	3.1	4	E
20250807.12	0.40	S	3.2	1	NW
20250807.15	0.39	SE	3.3	2	N
20250807.18	0.39	SE	3.2	1	SW
20250807.21	0.39	SE	3.1	4	W
20250808.00	0.40	SE	2.8	6	N
20250808.03	0.45	S	2.5	6	SW
20250808.06	0.41	S	2.6	6	SE
20250808.09	0.34	S	2.6	4	SE
20250808.12	0.29	SW	2.6	2	SW
20250808.15	0.25	SW	2.7	2	SW
20250808.18	0.22	SW	2.8	2	N
20250808.21	0.21	SW	2.9	2	W
20250809.00	0.21	SW	2.8	2	SW
20250809.03	0.21	W	2.5	4	S
20250809.06	0.24	W	2.1	5	E
20250809.09	0.26	W	2.0	3	S
20250809.12	0.24	W	2.1	2	SW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250804.12	0.26	W	1.9	3	E
20250804.15	0.45	W	2.8	3	S
20250804.18	0.60	W	3.5	4	W
20250804.21	0.69	W	3.9	5	NW
20250805.00	0.72	W	4.0	5	SW
20250805.03	0.75	W	3.9	6	S
20250805.06	0.77	W	3.8	6	SE
20250805.09	0.75	W	3.8	6	SE
20250805.12	0.71	W	4.0	3	NW
20250805.15	0.73	W	4.2	5	W
20250805.18	0.77	W	4.1	6	W
20250805.21	0.74	W	4.2	4	SW
20250806.00	0.68	NW	4.4	1	E
20250806.03	0.64	NW	4.4	5	SE
20250806.06	0.70	NW	3.8	7	SE
20250806.09	0.80	NW	3.5	5	SE
20250806.12	0.73	NW	3.7	1	NW
20250806.15	0.65	NW	4.0	4	NW
20250806.18	0.61	NW	3.9	6	NW
20250806.21	0.58	NW	3.6	5	W
20250807.00	0.53	NW	3.6	4	S
20250807.03	0.50	W	3.5	5	E
20250807.06	0.53	W	3.1	6	E
20250807.09	0.56	W	2.9	5	SE
20250807.12	0.50	NW	3.0	4	NE
20250807.15	0.43	NW	3.1	3	NE
20250807.18	0.40	NW	2.9	2	NE
20250807.21	0.36	W	2.8	2	NE
20250808.00	0.32	W	2.9	1	NE
20250808.03	0.29	W	2.8	3	SE
20250808.06	0.30	NW	2.3	5	SE
20250808.09	0.30	NW	2.2	3	SE
20250808.12	0.30	NW	2.4	1	W
20250808.15	0.28	NW	2.7	3	NW
20250808.18	0.26	W	2.7	4	N
20250808.21	0.26	W	2.7	3	N
20250809.00	0.24	W	2.8	1	W
20250809.03	0.23	W	2.7	3	SW
20250809.06	0.26	W	2.2	5	S
20250809.09	0.30	W	2.1	4	SW
20250809.12	0.30	W	2.1	3	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