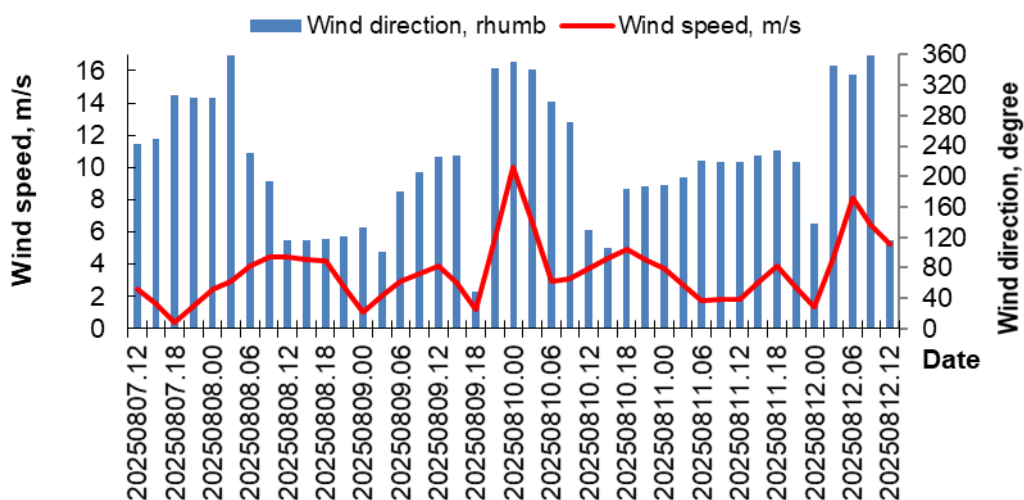




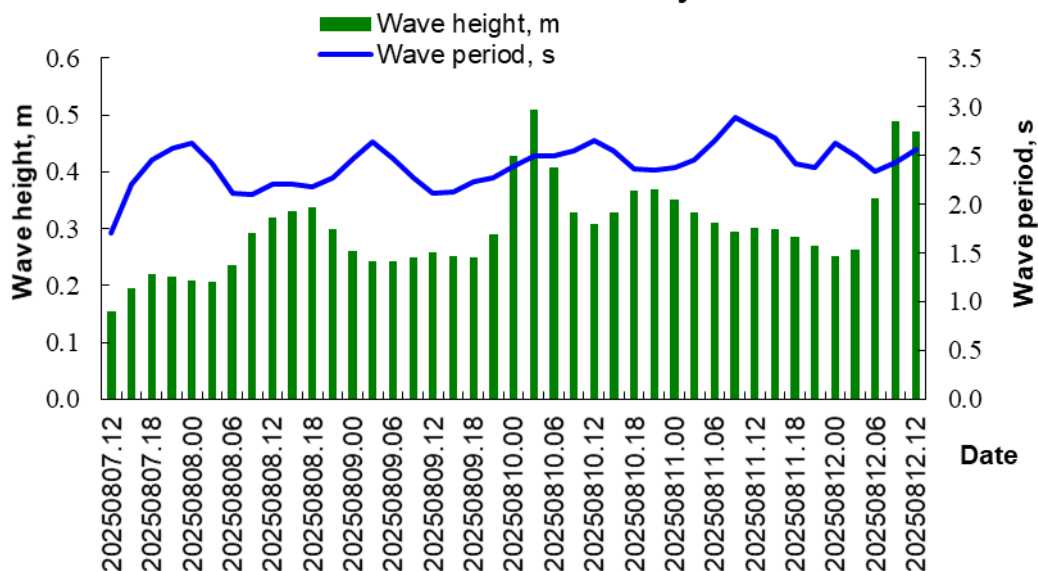
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 07 – 12, 2025.**

Wind condition in the Kulaly

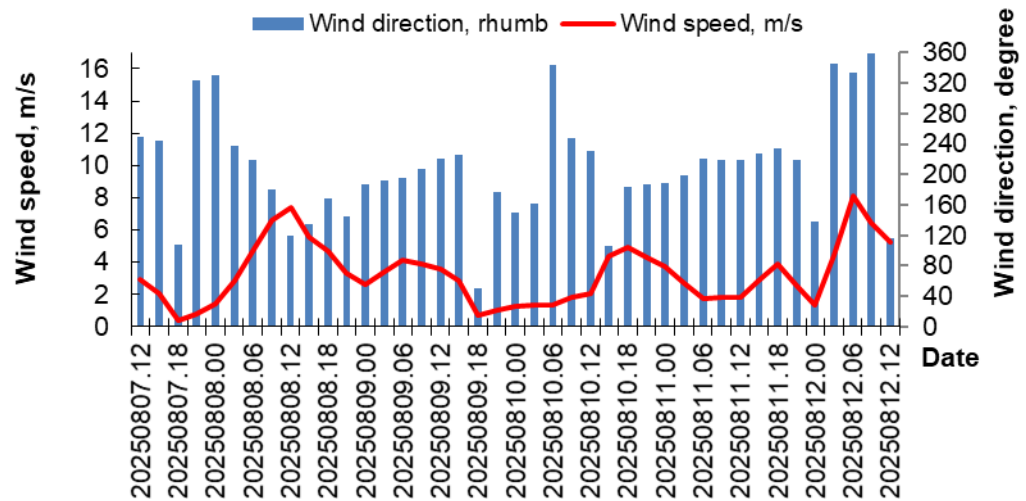


Wave condition in the Kulaly

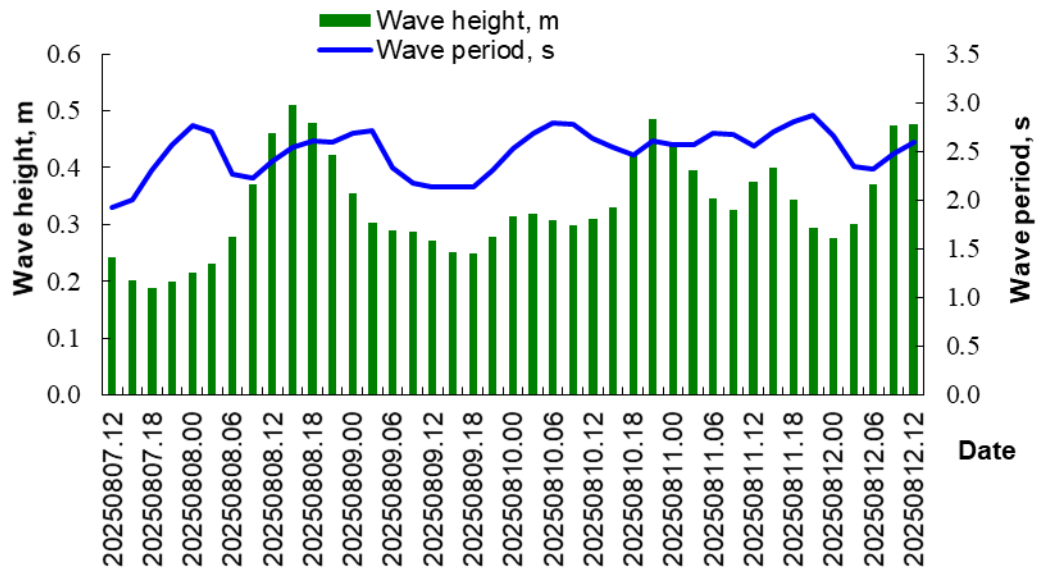


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.15	SW	1.7	2	SW
20250807.15	0.20	S	2.2	2	W
20250807.18	0.22	S	2.5	0	NW
20250807.21	0.22	S	2.6	1	NW
20250808.00	0.21	S	2.6	2	NW
20250808.03	0.21	S	2.4	3	N
20250808.06	0.24	S	2.1	4	SW
20250808.09	0.29	SW	2.1	4	S
20250808.12	0.32	SW	2.2	4	SE
20250808.15	0.33	SW	2.2	4	SE
20250808.18	0.34	W	2.2	4	SE
20250808.21	0.30	W	2.3	3	SE
20250809.00	0.26	SW	2.5	1	SE
20250809.03	0.24	SW	2.6	2	E
20250809.06	0.24	SW	2.5	3	S
20250809.09	0.25	SW	2.3	3	SW
20250809.12	0.26	SW	2.1	4	SW
20250809.15	0.25	SW	2.1	3	SW
20250809.18	0.25	SW	2.2	1	NE
20250809.21	0.29	SW	2.3	6	N
20250810.00	0.43	SW	2.4	10	N
20250810.03	0.51	S	2.5	7	N
20250810.06	0.41	S	2.5	3	NW
20250810.09	0.33	S	2.6	3	W
20250810.12	0.31	SW	2.7	4	SE
20250810.15	0.33	SW	2.6	4	E
20250810.18	0.37	SW	2.4	5	S
20250810.21	0.37	SW	2.4	4	S
20250811.00	0.35	SW	2.4	4	S
20250811.03	0.33	SW	2.5	3	S
20250811.06	0.31	SW	2.7	2	SW
20250811.09	0.30	SW	2.9	2	SW
20250811.12	0.30	SW	2.8	2	SW
20250811.15	0.30	SW	2.7	3	SW
20250811.18	0.29	SW	2.4	4	SW
20250811.21	0.27	SW	2.4	3	SW
20250812.00	0.25	SW	2.6	1	SE
20250812.03	0.26	SW	2.5	4	N
20250812.06	0.35	S	2.3	8	NW
20250812.09	0.49	S	2.4	6	N
20250812.12	0.47	S	2.6	5	SE

Wind condition in the Fort-Shevchenko

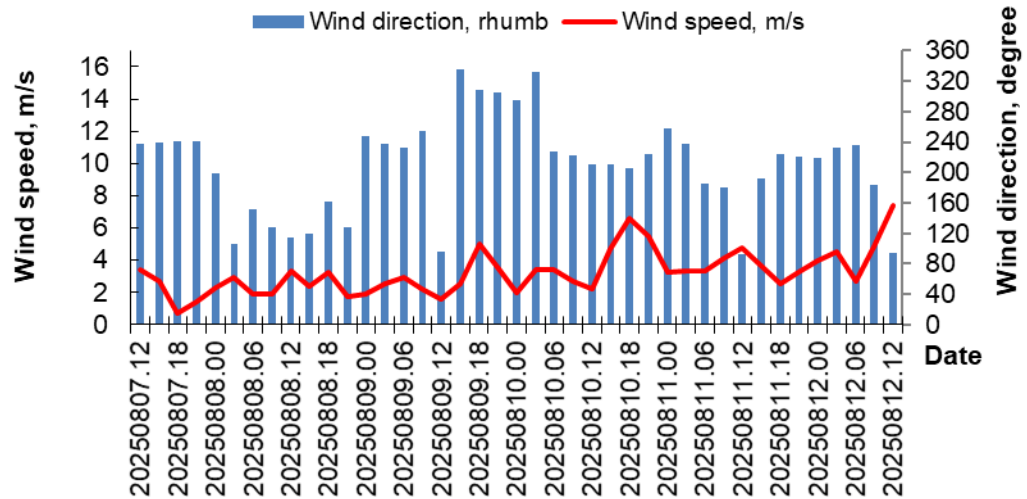


Wave condition in the Fort-Shevchenko

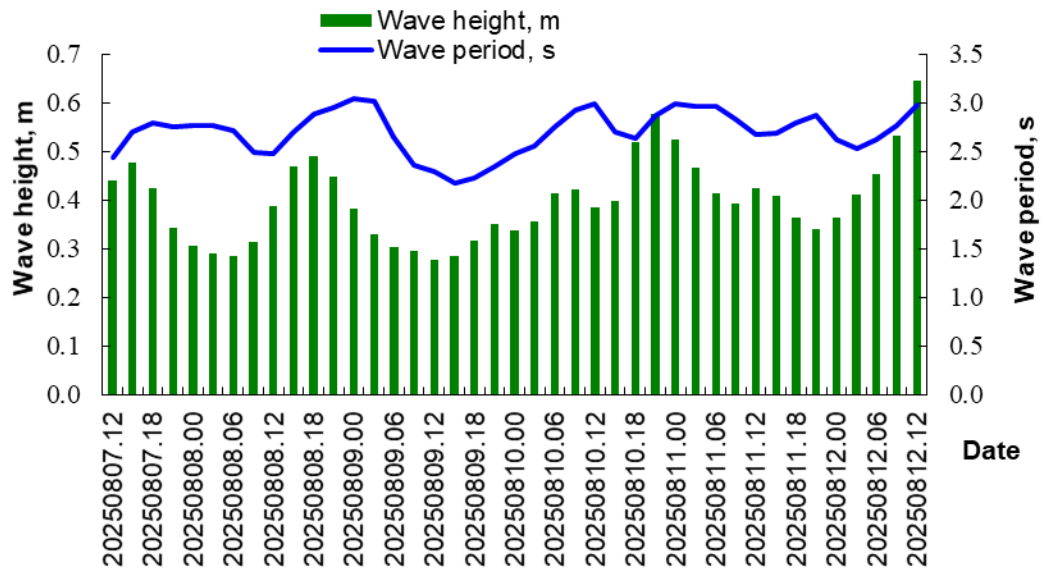


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.24	SW	1.9	3	W
20250807.15	0.20	SW	2.0	2	SW
20250807.18	0.19	SW	2.3	0	E
20250807.21	0.20	SW	2.6	1	NW
20250808.00	0.22	S	2.8	1	NW
20250808.03	0.23	S	2.7	3	SW
20250808.06	0.28	S	2.3	5	SW
20250808.09	0.37	SW	2.2	7	S
20250808.12	0.46	W	2.4	7	SE
20250808.15	0.51	W	2.5	6	SE
20250808.18	0.48	NW	2.6	5	S
20250808.21	0.42	NW	2.6	3	SE
20250809.00	0.35	NW	2.7	3	S
20250809.03	0.30	NW	2.7	3	S
20250809.06	0.29	W	2.3	4	S
20250809.09	0.29	W	2.2	4	SW
20250809.12	0.27	SW	2.1	4	SW
20250809.15	0.25	SW	2.1	3	SW
20250809.18	0.25	SW	2.1	1	NE
20250809.21	0.28	SW	2.3	1	S
20250810.00	0.31	SW	2.5	1	SE
20250810.03	0.32	SW	2.7	1	S
20250810.06	0.31	SW	2.8	1	N
20250810.09	0.30	SW	2.8	2	W
20250810.12	0.31	SW	2.6	2	SW
20250810.15	0.33	SW	2.5	4	E
20250810.18	0.42	SW	2.5	5	S
20250810.21	0.48	SW	2.6	4	S
20250811.00	0.45	SW	2.6	4	S
20250811.03	0.40	SW	2.6	3	S
20250811.06	0.35	SW	2.7	2	SW
20250811.09	0.32	SW	2.7	2	SW
20250811.12	0.38	SW	2.6	2	SW
20250811.15	0.40	W	2.7	3	SW
20250811.18	0.34	W	2.8	4	SW
20250811.21	0.29	SW	2.9	3	SW
20250812.00	0.28	SW	2.7	1	SE
20250812.03	0.30	SW	2.3	4	N
20250812.06	0.37	SW	2.3	8	NW
20250812.09	0.47	S	2.5	6	N
20250812.12	0.48	SW	2.6	5	SE

Wind condition in the Aktau

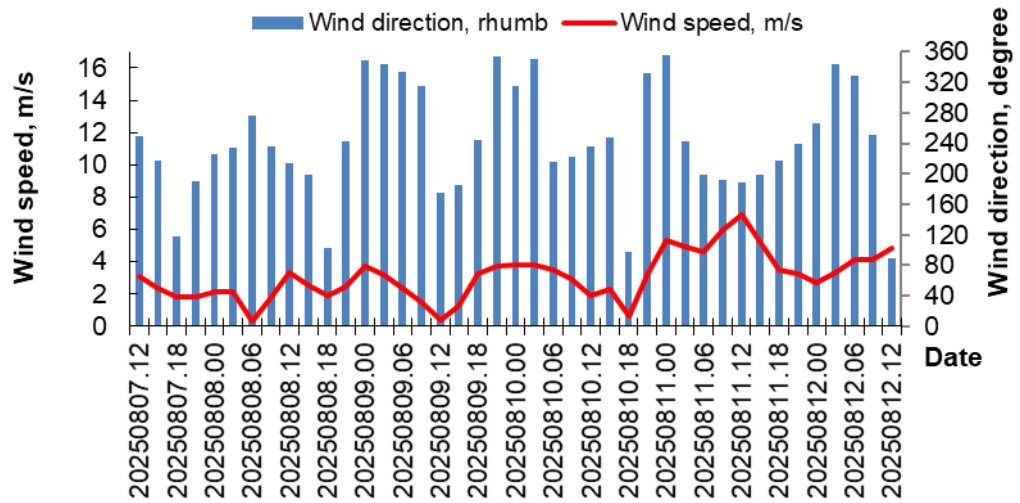


Wave condition in the Aktau

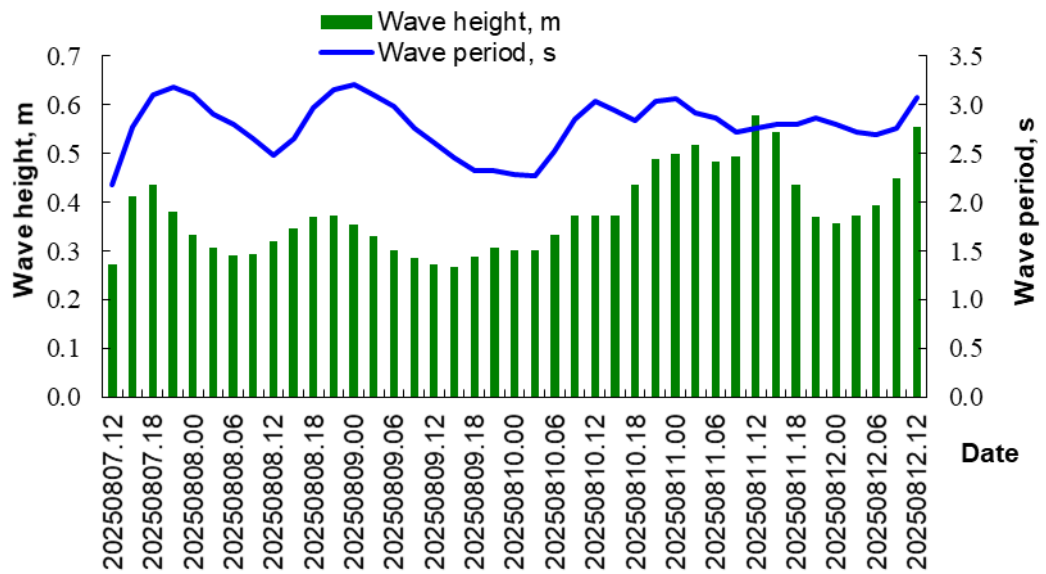


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250807.12	0.44	S	2.4	3	SW
20250807.15	0.48	S	2.7	3	SW
20250807.18	0.42	S	2.8	1	SW
20250807.21	0.34	S	2.8	1	SW
20250808.00	0.31	S	2.8	2	S
20250808.03	0.29	S	2.8	3	E
20250808.06	0.29	S	2.7	2	SE
20250808.09	0.31	SW	2.5	2	SE
20250808.12	0.39	W	2.5	3	SE
20250808.15	0.47	W	2.7	2	SE
20250808.18	0.49	W	2.9	3	S
20250808.21	0.45	W	2.9	2	SE
20250809.00	0.38	W	3.0	2	W
20250809.03	0.33	W	3.0	3	SW
20250809.06	0.30	W	2.6	3	SW
20250809.09	0.29	W	2.4	2	W
20250809.12	0.28	W	2.3	2	E
20250809.15	0.29	SW	2.2	3	NW
20250809.18	0.32	S	2.2	5	NW
20250809.21	0.35	S	2.3	4	NW
20250810.00	0.34	S	2.5	2	NW
20250810.03	0.36	S	2.6	3	NW
20250810.06	0.41	S	2.8	3	SW
20250810.09	0.42	S	2.9	3	SW
20250810.12	0.39	S	3.0	2	SW
20250810.15	0.40	SW	2.7	5	SW
20250810.18	0.52	SW	2.6	7	SW
20250810.21	0.58	SW	2.9	5	SW
20250811.00	0.53	SW	3.0	3	W
20250811.03	0.47	SW	3.0	3	SW
20250811.06	0.41	SW	3.0	3	S
20250811.09	0.39	SW	2.8	4	S
20250811.12	0.42	W	2.7	5	E
20250811.15	0.41	W	2.7	4	S
20250811.18	0.36	W	2.8	3	SW
20250811.21	0.34	W	2.9	3	SW
20250812.00	0.36	SW	2.6	4	SW
20250812.03	0.41	SW	2.5	5	SW
20250812.06	0.45	SW	2.6	3	SW
20250812.09	0.53	SW	2.8	5	S
20250812.12	0.64	SW	3.0	7	E

Wind condition in the Peschanyi

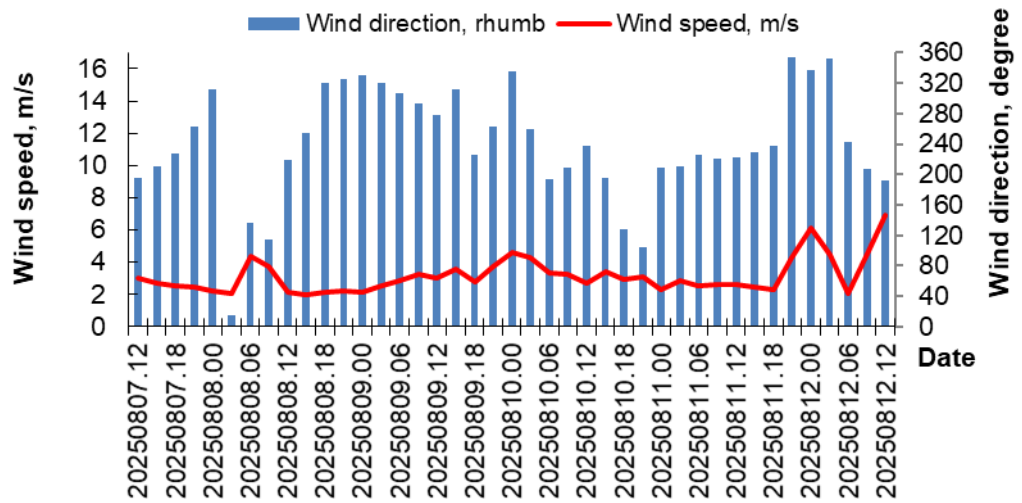


Wave condition in the Peschanyi

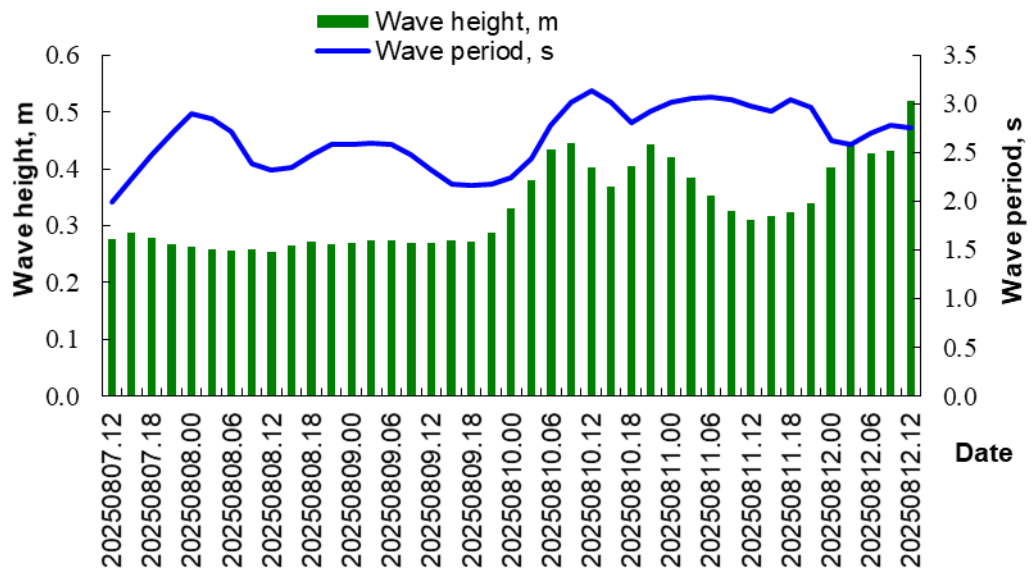


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.27	S	2.2	3	W
20250807.15	0.41	S	2.8	2	SW
20250807.18	0.44	S	3.1	2	SE
20250807.21	0.38	S	3.2	2	S
20250808.00	0.33	S	3.1	2	SW
20250808.03	0.31	S	2.9	2	SW
20250808.06	0.29	S	2.8	0	W
20250808.09	0.29	S	2.7	2	SW
20250808.12	0.32	SW	2.5	3	SW
20250808.15	0.35	W	2.7	3	S
20250808.18	0.37	W	3.0	2	E
20250808.21	0.37	W	3.2	3	SW
20250809.00	0.36	W	3.2	4	N
20250809.03	0.33	W	3.1	3	N
20250809.06	0.30	W	3.0	2	NW
20250809.09	0.29	W	2.8	2	NW
20250809.12	0.27	W	2.6	0	S
20250809.15	0.27	W	2.5	1	S
20250809.18	0.29	SW	2.3	3	SW
20250809.21	0.31	S	2.3	4	N
20250810.00	0.30	S	2.3	4	NW
20250810.03	0.30	S	2.3	4	N
20250810.06	0.33	S	2.5	3	SW
20250810.09	0.37	SW	2.9	3	SW
20250810.12	0.37	SW	3.0	2	SW
20250810.15	0.37	SW	3.0	2	SW
20250810.18	0.44	SW	2.8	1	E
20250810.21	0.49	SW	3.0	3	NW
20250811.00	0.50	SW	3.1	5	N
20250811.03	0.52	SW	2.9	5	SW
20250811.06	0.48	SW	2.9	5	S
20250811.09	0.49	SW	2.7	6	S
20250811.12	0.58	W	2.8	7	S
20250811.15	0.54	W	2.8	5	S
20250811.18	0.44	W	2.8	3	SW
20250811.21	0.37	W	2.9	3	SW
20250812.00	0.36	SW	2.8	3	W
20250812.03	0.37	SW	2.7	3	N
20250812.06	0.39	SW	2.7	4	NW
20250812.09	0.45	SW	2.8	4	W
20250812.12	0.55	SW	3.1	5	E

Wind condition in the Fetisovo

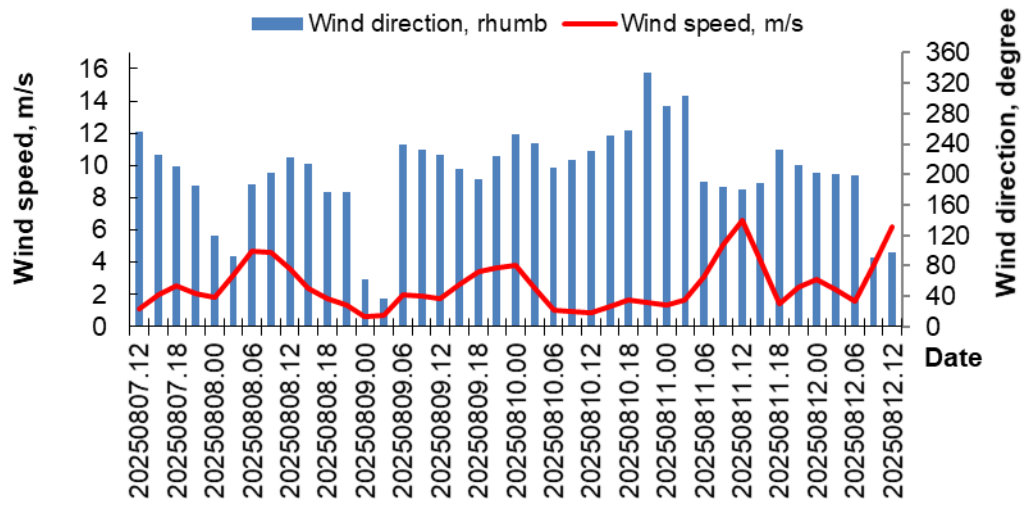


Wave condition in the Fetisovo

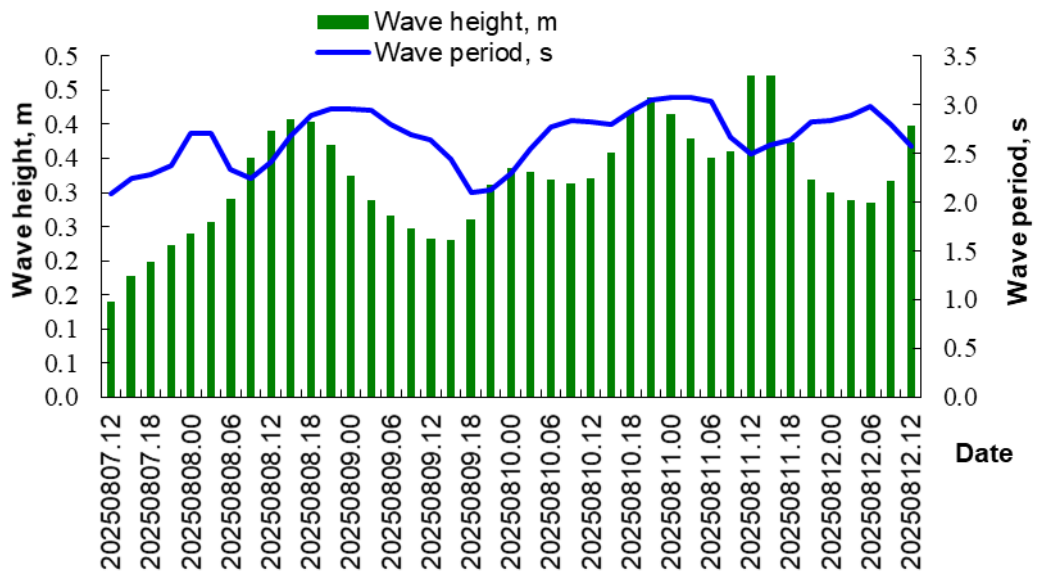


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.28	W	2.0	3	S
20250807.15	0.29	W	2.2	3	SW
20250807.18	0.28	SW	2.5	3	SW
20250807.21	0.27	SW	2.7	2	W
20250808.00	0.26	SW	2.9	2	NW
20250808.03	0.26	SW	2.8	2	N
20250808.06	0.25	SW	2.7	4	SE
20250808.09	0.26	SW	2.4	4	SE
20250808.12	0.25	SW	2.3	2	SW
20250808.15	0.27	W	2.3	2	W
20250808.18	0.27	W	2.5	2	NW
20250808.21	0.27	W	2.6	2	NW
20250809.00	0.27	W	2.6	2	NW
20250809.03	0.27	W	2.6	3	NW
20250809.06	0.27	W	2.6	3	NW
20250809.09	0.27	W	2.5	3	NW
20250809.12	0.27	W	2.3	3	W
20250809.15	0.27	SW	2.2	4	NW
20250809.18	0.27	SW	2.2	3	SW
20250809.21	0.29	S	2.2	4	W
20250810.00	0.33	S	2.2	5	NW
20250810.03	0.38	S	2.4	4	W
20250810.06	0.43	S	2.8	3	S
20250810.09	0.45	S	3.0	3	SW
20250810.12	0.40	S	3.1	3	SW
20250810.15	0.37	S	3.0	3	S
20250810.18	0.40	SW	2.8	3	SE
20250810.21	0.44	SW	2.9	3	E
20250811.00	0.42	SW	3.0	2	SW
20250811.03	0.38	SW	3.1	3	SW
20250811.06	0.35	SW	3.1	3	SW
20250811.09	0.33	SW	3.0	3	SW
20250811.12	0.31	SW	3.0	3	SW
20250811.15	0.32	SW	2.9	2	SW
20250811.18	0.32	W	3.0	2	SW
20250811.21	0.34	W	3.0	4	N
20250812.00	0.40	SW	2.6	6	N
20250812.03	0.45	SW	2.6	4	N
20250812.06	0.43	SW	2.7	2	SW
20250812.09	0.43	SW	2.8	5	SW
20250812.12	0.52	SW	2.7	7	S

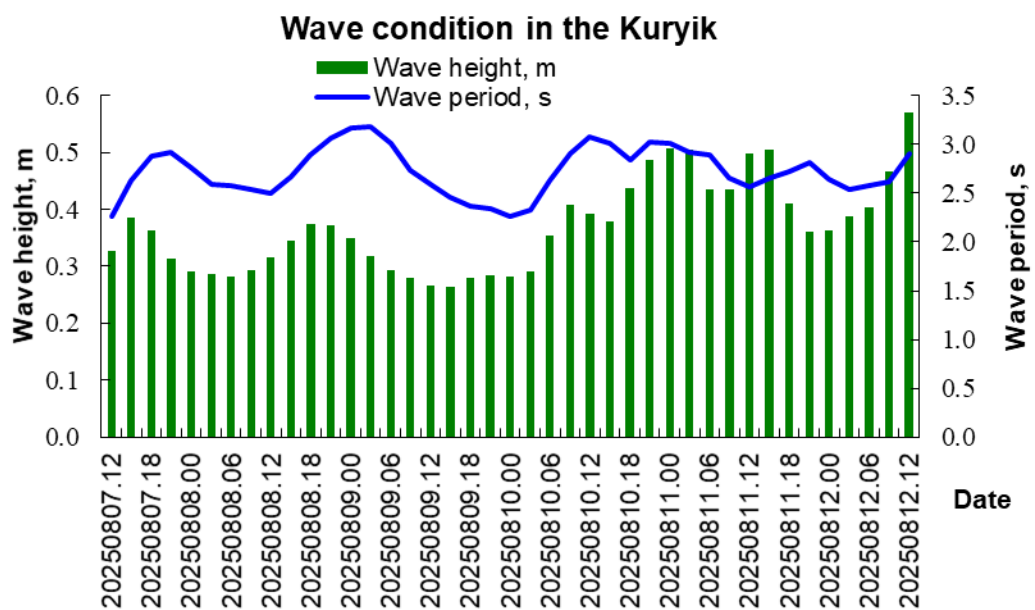
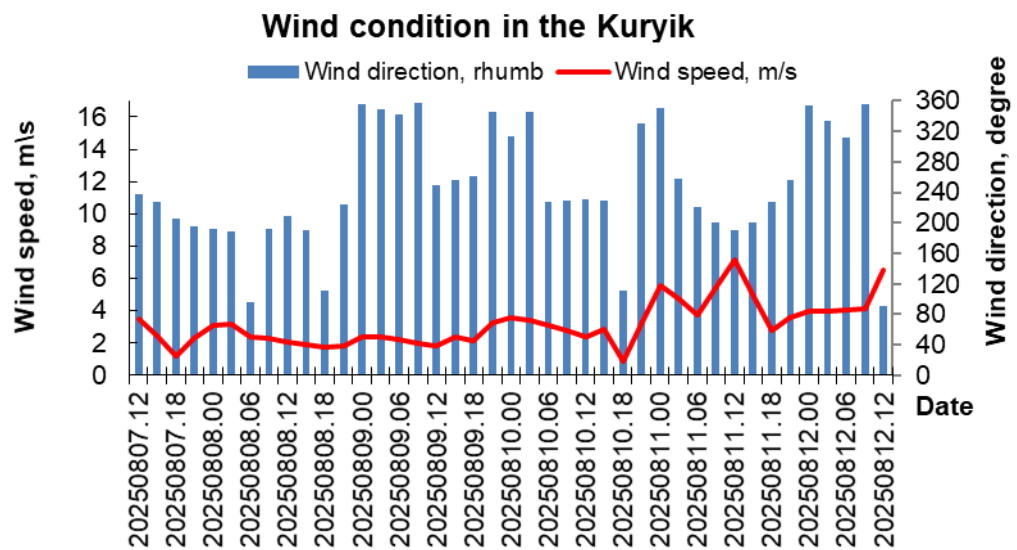
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.14	SW	2.1	1	W
20250807.15	0.18	S	2.2	2	SW
20250807.18	0.20	S	2.3	3	SW
20250807.21	0.22	S	2.4	2	S
20250808.00	0.24	S	2.7	2	SE
20250808.03	0.26	S	2.7	3	E
20250808.06	0.29	S	2.3	5	S
20250808.09	0.35	SW	2.3	5	S
20250808.12	0.39	SW	2.4	4	SW
20250808.15	0.41	W	2.7	2	SW
20250808.18	0.40	W	2.9	2	S
20250808.21	0.37	W	3.0	1	S
20250809.00	0.32	W	3.0	1	NE
20250809.03	0.29	W	2.9	1	NE
20250809.06	0.27	W	2.8	2	SW
20250809.09	0.25	W	2.7	2	SW
20250809.12	0.23	W	2.6	2	SW
20250809.15	0.23	W	2.4	3	SW
20250809.18	0.26	SW	2.1	3	S
20250809.21	0.31	SW	2.1	4	SW
20250810.00	0.34	SW	2.3	4	W
20250810.03	0.33	SW	2.5	2	SW
20250810.06	0.32	SW	2.8	1	SW
20250810.09	0.31	SW	2.8	1	SW
20250810.12	0.32	SW	2.8	1	SW
20250810.15	0.36	SW	2.8	1	W
20250810.18	0.42	SW	2.9	2	W
20250810.21	0.44	SW	3.0	2	NW
20250811.00	0.42	SW	3.1	1	W
20250811.03	0.38	SW	3.1	2	NW
20250811.06	0.35	SW	3.0	3	S
20250811.09	0.36	SW	2.7	5	S
20250811.12	0.47	W	2.5	7	S
20250811.15	0.47	W	2.6	4	S
20250811.18	0.37	W	2.6	1	SW
20250811.21	0.32	W	2.8	2	SW
20250812.00	0.30	SW	2.8	3	S
20250812.03	0.29	SW	2.9	2	S
20250812.06	0.28	SW	3.0	2	S
20250812.09	0.32	SW	2.8	4	E
20250812.12	0.40	SW	2.6	6	E



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250807.12	0.33	S	2.3	3	SW
20250807.15	0.39	S	2.6	2	SW
20250807.18	0.36	S	2.9	1	SW
20250807.21	0.31	S	2.9	2	S
20250808.00	0.29	S	2.8	3	S
20250808.03	0.29	S	2.6	3	S
20250808.06	0.28	S	2.6	2	E
20250808.09	0.29	SW	2.5	2	S
20250808.12	0.31	SW	2.5	2	SW
20250808.15	0.34	W	2.7	2	S
20250808.18	0.37	W	2.9	2	E
20250808.21	0.37	W	3.1	2	SW
20250809.00	0.35	W	3.2	2	N
20250809.03	0.32	W	3.2	2	N
20250809.06	0.29	W	3.0	2	N
20250809.09	0.28	W	2.7	2	N
20250809.12	0.27	W	2.6	2	W
20250809.15	0.26	W	2.5	2	W
20250809.18	0.28	SW	2.4	2	W
20250809.21	0.28	S	2.3	3	N
20250810.00	0.28	S	2.3	4	NW
20250810.03	0.29	S	2.3	3	N
20250810.06	0.35	S	2.6	3	SW
20250810.09	0.41	S	2.9	3	SW
20250810.12	0.39	S	3.1	2	SW
20250810.15	0.38	S	3.0	3	SW
20250810.18	0.44	SW	2.8	1	E
20250810.21	0.49	SW	3.0	3	NW
20250811.00	0.51	SW	3.0	6	N
20250811.03	0.50	SW	2.9	5	W
20250811.06	0.43	SW	2.9	4	SW
20250811.09	0.43	SW	2.7	5	S
20250811.12	0.50	SW	2.6	7	S
20250811.15	0.50	W	2.7	5	S
20250811.18	0.41	W	2.7	3	SW
20250811.21	0.36	SW	2.8	4	W
20250812.00	0.36	SW	2.6	4	N
20250812.03	0.39	SW	2.5	4	NW
20250812.06	0.40	SW	2.6	4	NW
20250812.09	0.47	SW	2.6	4	N
20250812.12	0.57	SW	2.9	7	E

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

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Checked by: Shishkina G.M.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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