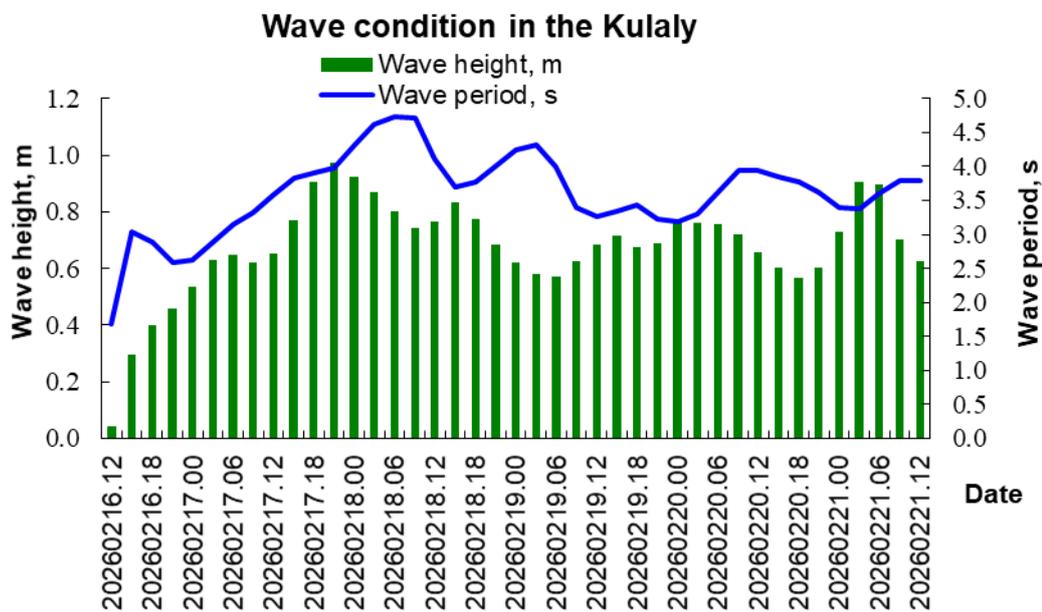
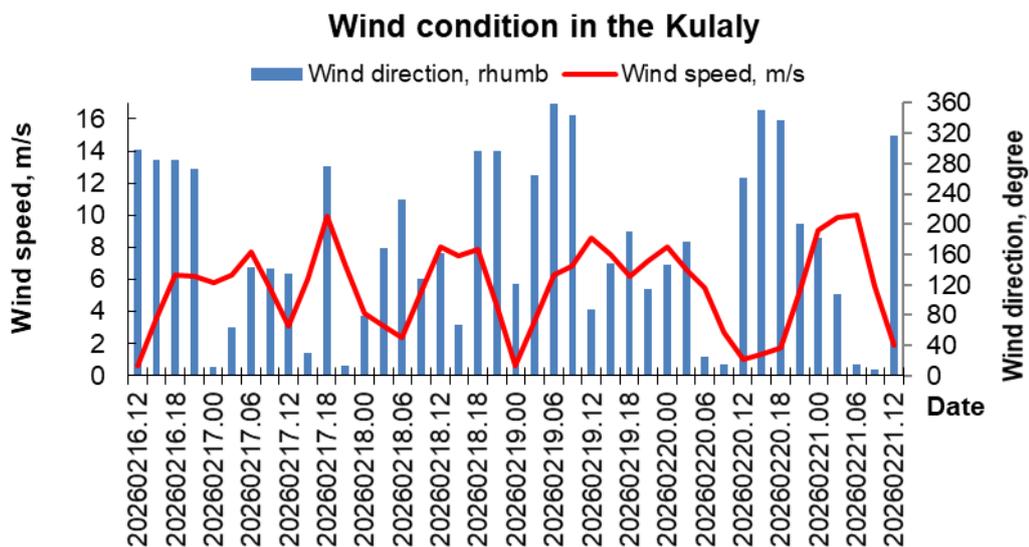




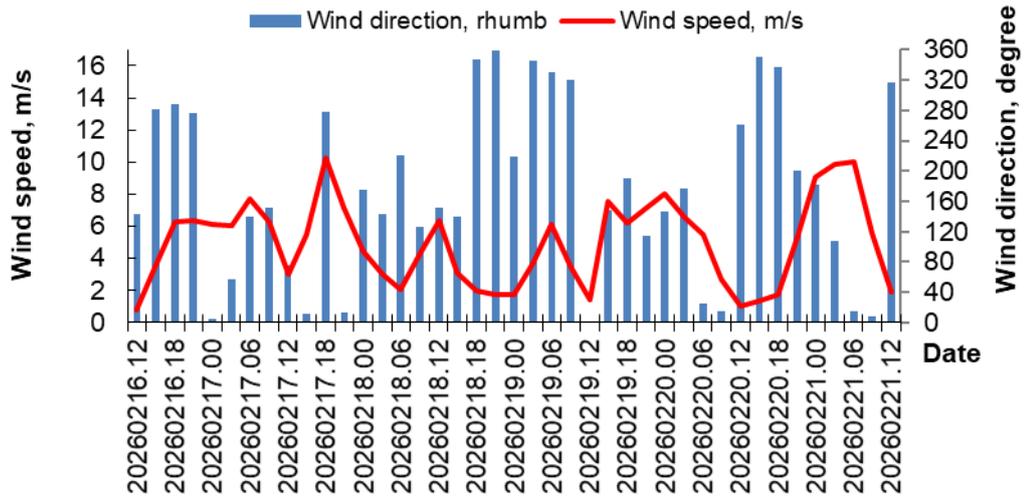
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period February 16 – 21, 2026 .**

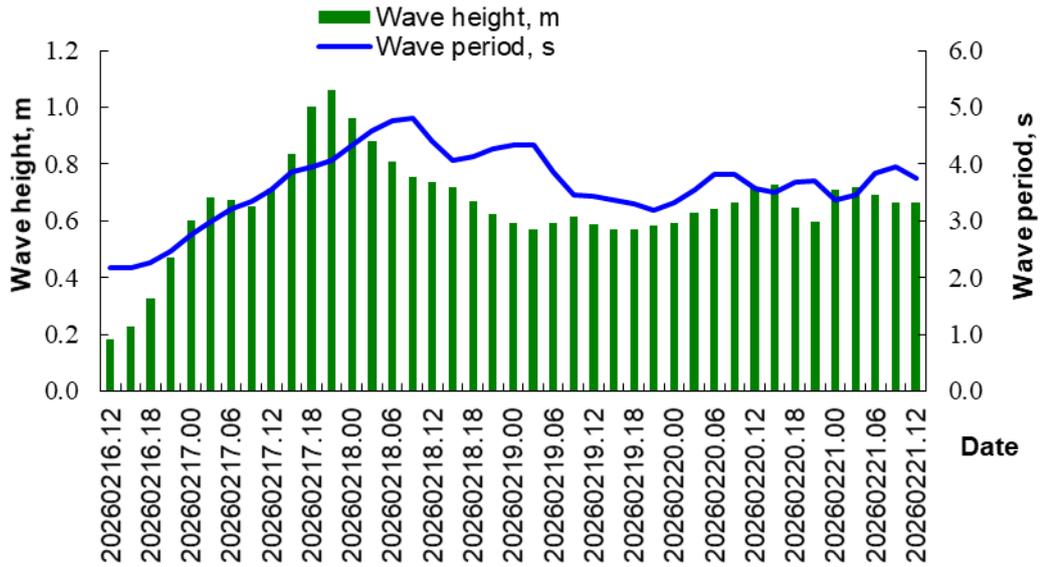


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.04	NE	1.7	1	NW
20260216.15	0.30	NW	3.0	3	W
20260216.18	0.40	N	2.9	6	W
20260216.21	0.46	NE	2.6	6	W
20260217.00	0.54	NE	2.6	6	N
20260217.03	0.63	NE	2.9	6	NE
20260217.06	0.65	NE	3.1	8	SE
20260217.09	0.62	NE	3.3	5	SE
20260217.12	0.65	NE	3.6	3	SE
20260217.15	0.77	N	3.8	6	NE
20260217.18	0.91	NE	3.9	10	W
20260217.21	0.97	NE	4.0	7	N
20260218.00	0.92	NE	4.3	4	E
20260218.03	0.87	NE	4.6	3	S
20260218.06	0.80	NE	4.7	2	SW
20260218.09	0.74	NE	4.7	5	SE
20260218.12	0.77	NE	4.1	8	S
20260218.15	0.83	NE	3.7	7	NE
20260218.18	0.78	NE	3.8	8	NW
20260218.21	0.69	NE	4.0	4	NW
20260219.00	0.62	E	4.3	1	SE
20260219.03	0.58	E	4.3	3	W
20260219.06	0.57	E	4.0	6	N
20260219.09	0.62	E	3.4	7	N
20260219.12	0.69	E	3.3	9	E
20260219.15	0.72	NE	3.3	8	SE
20260219.18	0.68	N	3.4	6	S
20260219.21	0.69	NW	3.2	7	SE
20260220.00	0.77	NW	3.2	8	SE
20260220.03	0.76	NW	3.3	7	S
20260220.06	0.76	N	3.6	5	NE
20260220.09	0.72	N	3.9	3	N
20260220.12	0.66	N	3.9	1	W
20260220.15	0.60	NW	3.9	1	N
20260220.18	0.57	NW	3.8	2	NW
20260220.21	0.60	N	3.6	5	S
20260221.00	0.73	W	3.4	9	S
20260221.03	0.90	W	3.4	10	E
20260221.06	0.90	NW	3.6	10	N
20260221.09	0.70	W	3.8	6	N
20260221.12	0.63	SW	3.8	2	NW

Wind condition in the Fort-Shevchenko

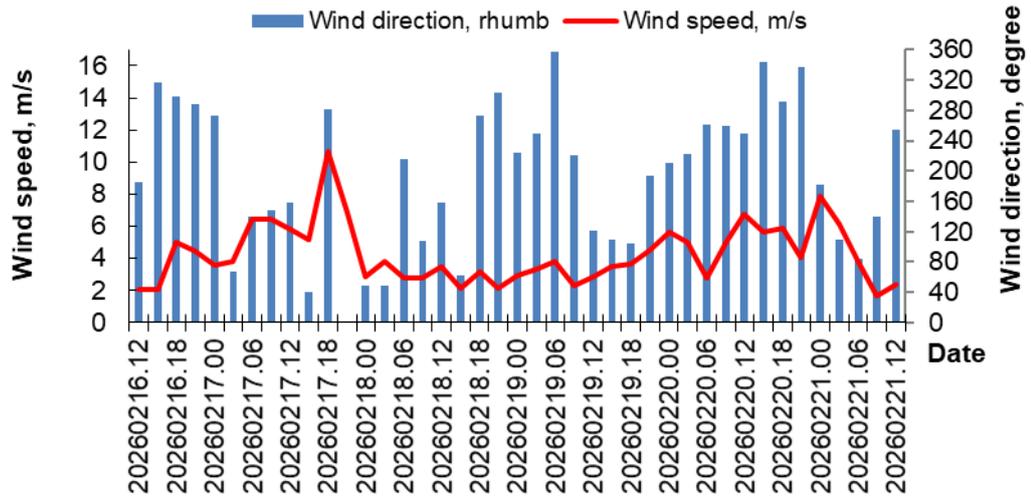


Wave condition in the Fort-Shevchenko

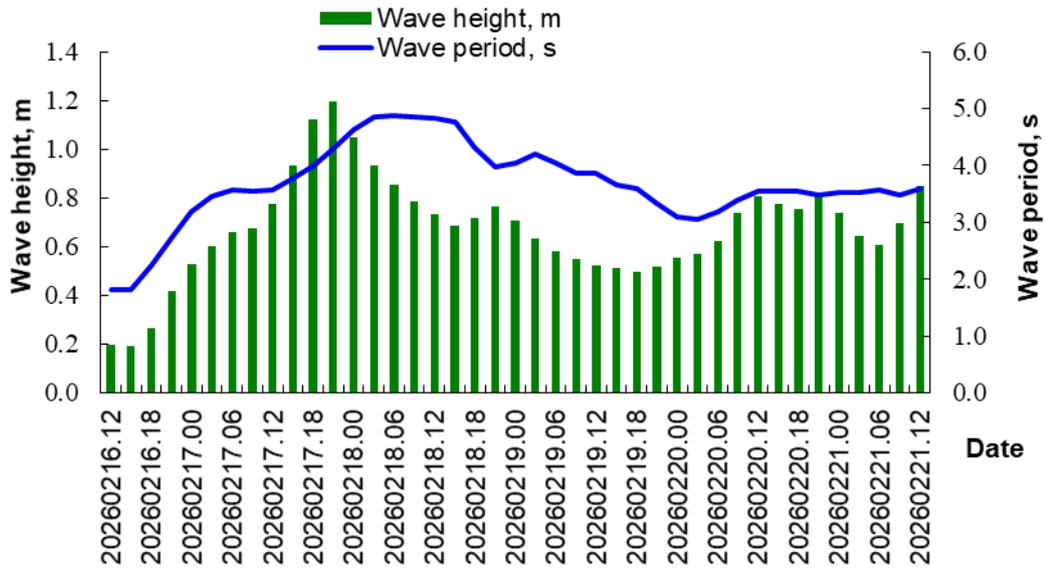


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.18	N	2.2	1	SE
20260216.15	0.23	N	2.2	4	W
20260216.18	0.33	NE	2.3	6	W
20260216.21	0.47	E	2.5	6	W
20260217.00	0.60	E	2.8	6	N
20260217.03	0.68	NE	3.0	6	NE
20260217.06	0.67	NE	3.2	8	SE
20260217.09	0.65	NE	3.4	6	SE
20260217.12	0.71	N	3.5	3	E
20260217.15	0.83	N	3.9	6	N
20260217.18	1.00	NE	4.0	10	W
20260217.21	1.06	NE	4.1	7	N
20260218.00	0.96	NE	4.3	4	S
20260218.03	0.88	NE	4.6	3	SE
20260218.06	0.81	NE	4.8	2	SW
20260218.09	0.75	NE	4.8	4	SE
20260218.12	0.74	NE	4.4	6	SE
20260218.15	0.72	NE	4.1	3	SE
20260218.18	0.67	NE	4.1	2	N
20260218.21	0.62	NE	4.3	2	N
20260219.00	0.59	E	4.3	2	SW
20260219.03	0.57	E	4.3	4	N
20260219.06	0.59	E	3.9	6	NW
20260219.09	0.62	E	3.5	4	NW
20260219.12	0.59	E	3.4	1	N
20260219.15	0.57	E	3.4	8	SE
20260219.18	0.57	E	3.3	6	S
20260219.21	0.58	NE	3.2	7	SE
20260220.00	0.59	N	3.3	8	SE
20260220.03	0.63	N	3.5	7	S
20260220.06	0.64	NW	3.8	5	NE
20260220.09	0.66	NW	3.8	3	N
20260220.12	0.72	W	3.6	1	W
20260220.15	0.73	SW	3.5	1	N
20260220.18	0.65	S	3.7	2	NW
20260220.21	0.60	S	3.7	5	S
20260221.00	0.71	SW	3.4	9	S
20260221.03	0.72	W	3.5	10	E
20260221.06	0.69	W	3.9	10	N
20260221.09	0.66	W	4.0	6	N
20260221.12	0.67	W	3.8	2	NW

Wind condition in the Aktau

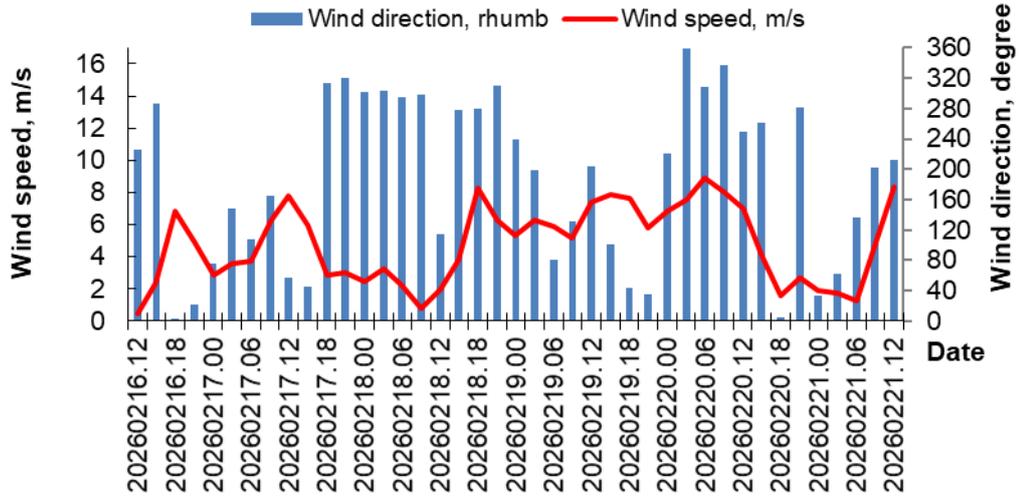


Wave condition in the Aktau

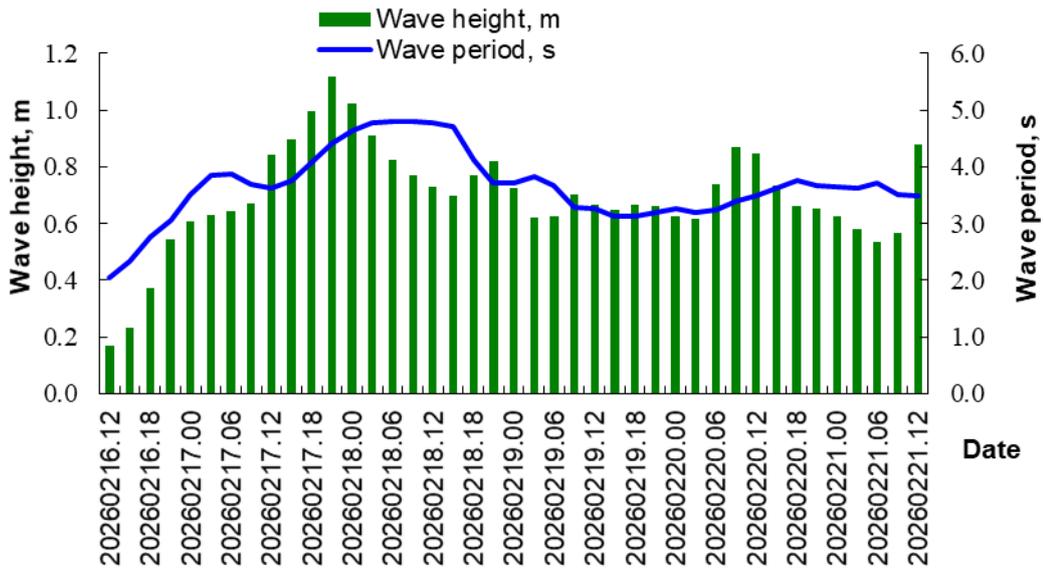


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260216.12	0.20	W	1.8	2	S
20260216.15	0.19	W	1.8	2	NW
20260216.18	0.27	E	2.2	5	NW
20260216.21	0.42	E	2.7	4	W
20260217.00	0.53	E	3.2	4	W
20260217.03	0.60	NE	3.4	4	E
20260217.06	0.66	NE	3.6	6	SE
20260217.09	0.68	NE	3.5	6	SE
20260217.12	0.78	N	3.6	6	S
20260217.15	0.93	N	3.8	5	NE
20260217.18	1.12	NE	4.0	11	W
20260217.21	1.19	E	4.3	7	N
20260218.00	1.05	E	4.6	3	NE
20260218.03	0.93	NE	4.8	4	NE
20260218.06	0.85	NE	4.9	3	SW
20260218.09	0.79	NE	4.9	3	E
20260218.12	0.73	NE	4.8	3	S
20260218.15	0.69	NE	4.8	2	NE
20260218.18	0.72	NE	4.3	3	W
20260218.21	0.76	E	4.0	2	NW
20260219.00	0.71	E	4.0	3	SW
20260219.03	0.63	E	4.2	3	W
20260219.06	0.58	E	4.0	4	N
20260219.09	0.55	E	3.9	2	SW
20260219.12	0.52	E	3.9	3	SE
20260219.15	0.51	E	3.7	4	E
20260219.18	0.50	E	3.6	4	E
20260219.21	0.52	NE	3.3	5	S
20260220.00	0.55	NE	3.1	6	SW
20260220.03	0.57	W	3.0	5	SW
20260220.06	0.62	SW	3.2	3	W
20260220.09	0.74	S	3.4	5	W
20260220.12	0.81	S	3.5	7	W
20260220.15	0.77	S	3.5	6	N
20260220.18	0.75	S	3.5	6	W
20260220.21	0.81	SE	3.5	4	NW
20260221.00	0.74	S	3.5	8	S
20260221.03	0.64	SW	3.5	6	E
20260221.06	0.61	W	3.6	4	E
20260221.09	0.69	W	3.5	2	SE
20260221.12	0.85	W	3.6	2	W

Wind condition in the Peschanyi

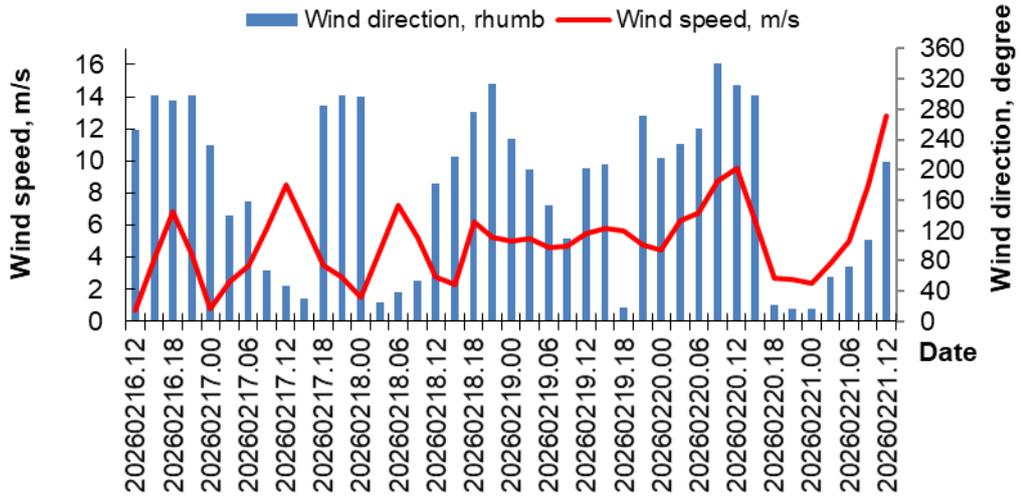


Wave condition in the Peschanyi

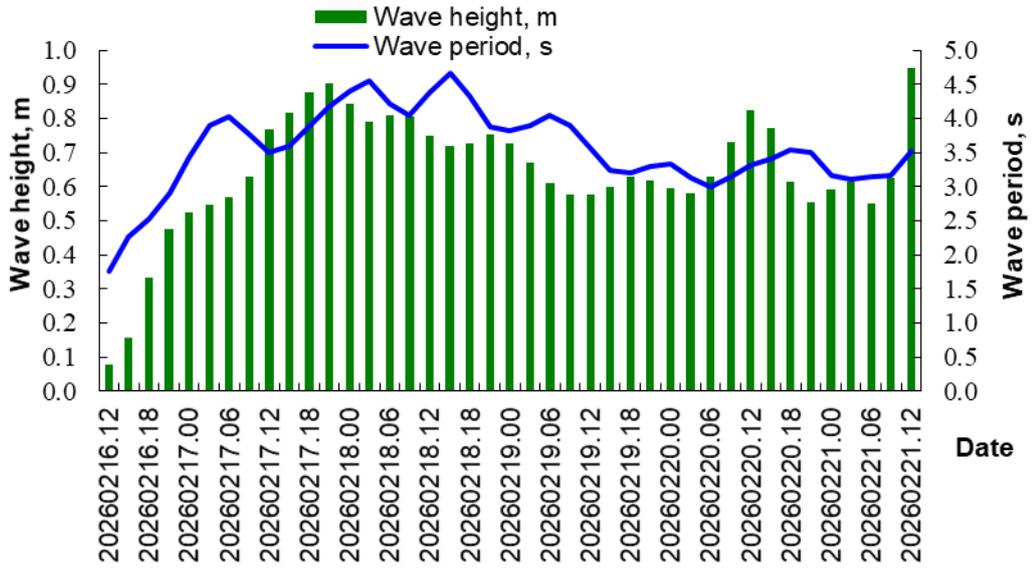


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.17	W	2.0	0	SW
20260216.15	0.23	W	2.3	2	W
20260216.18	0.37	E	2.8	7	N
20260216.21	0.54	E	3.1	5	N
20260217.00	0.61	NE	3.5	3	E
20260217.03	0.63	NE	3.9	4	SE
20260217.06	0.64	NE	3.9	4	E
20260217.09	0.67	NE	3.7	6	S
20260217.12	0.84	NE	3.6	8	NE
20260217.15	0.90	NE	3.8	6	NE
20260217.18	1.00	NE	4.1	3	NW
20260217.21	1.12	E	4.4	3	NW
20260218.00	1.03	E	4.6	2	NW
20260218.03	0.91	E	4.8	3	NW
20260218.06	0.83	NE	4.8	2	NW
20260218.09	0.77	NE	4.8	1	NW
20260218.12	0.73	NE	4.8	2	SE
20260218.15	0.70	NE	4.7	4	W
20260218.18	0.77	E	4.1	8	W
20260218.21	0.82	E	3.7	6	NW
20260219.00	0.73	E	3.7	5	SW
20260219.03	0.62	E	3.8	6	S
20260219.06	0.62	NE	3.7	6	E
20260219.09	0.70	NE	3.3	5	SE
20260219.12	0.67	NE	3.3	7	SW
20260219.15	0.65	NE	3.1	8	E
20260219.18	0.67	N	3.1	8	NE
20260219.21	0.66	NE	3.2	6	NE
20260220.00	0.63	NE	3.3	7	SW
20260220.03	0.62	SE	3.2	8	N
20260220.06	0.74	SE	3.2	9	NW
20260220.09	0.87	SE	3.4	8	NW
20260220.12	0.85	S	3.5	7	W
20260220.15	0.73	S	3.6	4	W
20260220.18	0.66	S	3.8	2	N
20260220.21	0.65	S	3.7	3	W
20260221.00	0.63	S	3.6	2	NE
20260221.03	0.58	SW	3.6	2	NE
20260221.06	0.54	SW	3.7	1	SE
20260221.09	0.57	W	3.5	5	SW
20260221.12	0.88	W	3.5	8	SW

Wind condition in the Fetisovo

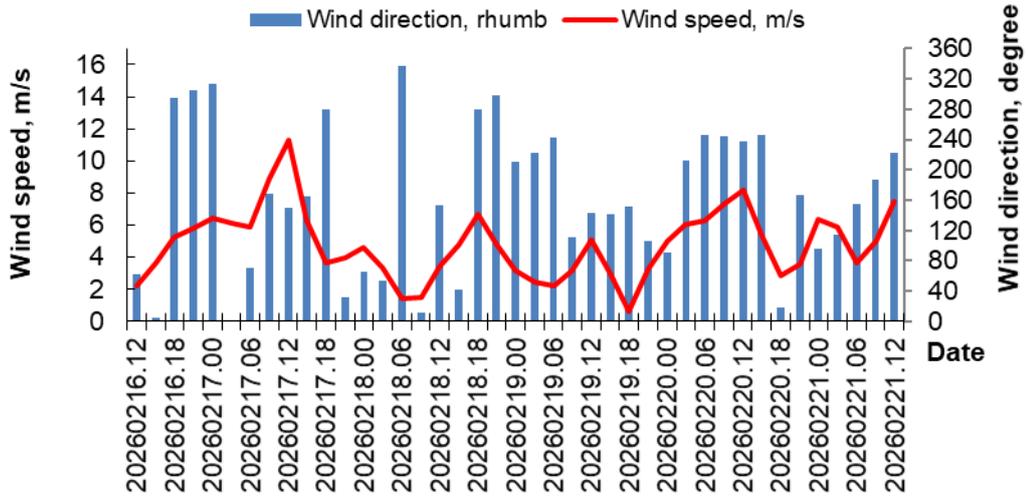


Wave condition in the Fetisovo

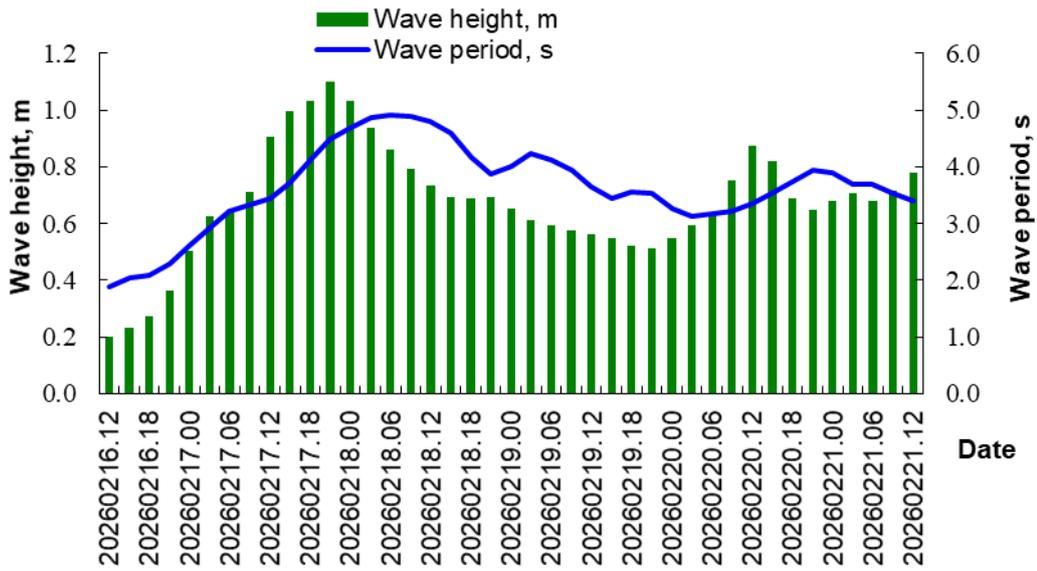


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.08	S	1.8	1	W
20260216.15	0.16	E	2.3	4	NW
20260216.18	0.33	E	2.5	7	W
20260216.21	0.47	E	2.9	4	NW
20260217.00	0.53	E	3.4	1	SW
20260217.03	0.55	E	3.9	2	SE
20260217.06	0.57	E	4.0	4	S
20260217.09	0.63	NE	3.8	6	NE
20260217.12	0.77	NE	3.5	9	NE
20260217.15	0.82	NE	3.6	6	NE
20260217.18	0.88	NE	3.9	3	W
20260217.21	0.90	NE	4.2	3	NW
20260218.00	0.84	NE	4.4	1	NW
20260218.03	0.79	NE	4.6	4	NE
20260218.06	0.81	NE	4.2	7	NE
20260218.09	0.80	NE	4.0	5	NE
20260218.12	0.75	NE	4.4	3	S
20260218.15	0.72	NE	4.7	2	SW
20260218.18	0.73	NE	4.3	6	W
20260218.21	0.75	NE	3.9	5	NW
20260219.00	0.73	E	3.8	5	SW
20260219.03	0.67	E	3.9	5	S
20260219.06	0.61	NE	4.0	5	SE
20260219.09	0.58	NE	3.9	5	E
20260219.12	0.58	NE	3.5	6	SW
20260219.15	0.60	NE	3.2	6	SW
20260219.18	0.63	NE	3.2	6	N
20260219.21	0.62	NE	3.3	5	W
20260220.00	0.60	NE	3.3	4	SW
20260220.03	0.58	NW	3.1	6	SW
20260220.06	0.63	SW	3.0	7	W
20260220.09	0.73	SW	3.1	9	N
20260220.12	0.83	S	3.3	10	NW
20260220.15	0.77	S	3.4	6	NW
20260220.18	0.61	S	3.5	3	N
20260220.21	0.55	SW	3.5	3	N
20260221.00	0.59	S	3.2	2	N
20260221.03	0.61	S	3.1	4	NE
20260221.06	0.55	W	3.1	5	E
20260221.09	0.63	W	3.2	9	E
20260221.12	0.95	W	3.5	13	SW

Wind condition in the Saura

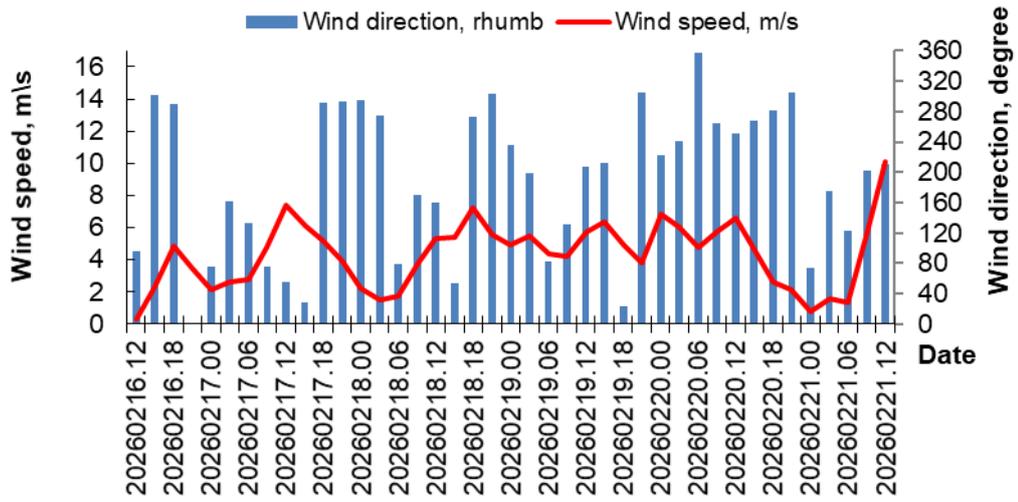


Wave condition in the Saura

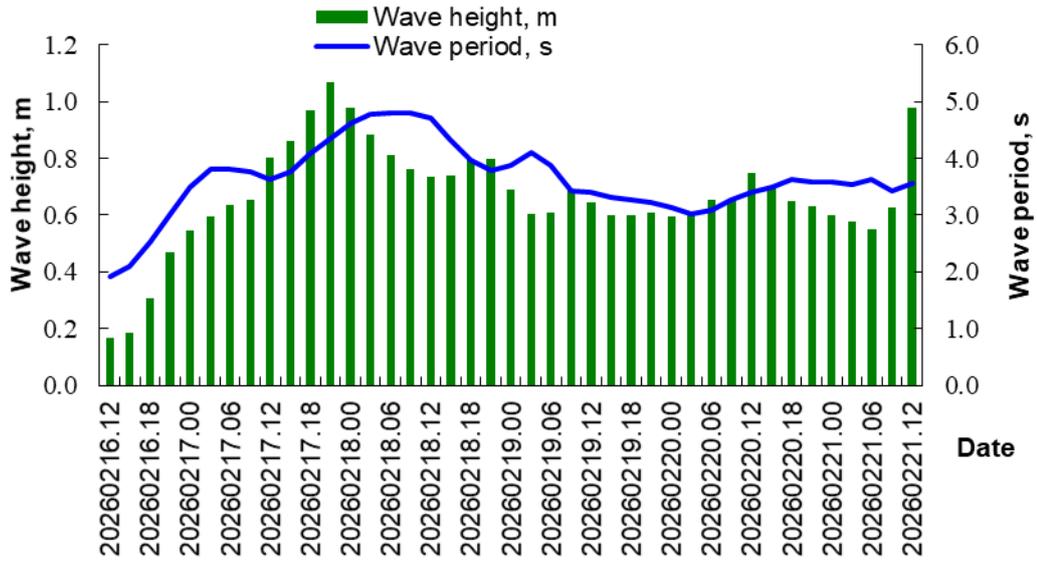


Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.20	N	1.9	2	NE
20260216.15	0.23	N	2.0	4	N
20260216.18	0.27	NE	2.1	5	NW
20260216.21	0.36	NE	2.3	6	NW
20260217.00	0.50	E	2.6	6	NW
20260217.03	0.63	E	2.9	6	N
20260217.06	0.65	NE	3.2	6	E
20260217.09	0.71	NE	3.3	9	S
20260217.12	0.91	N	3.4	11	SE
20260217.15	0.99	N	3.7	6	S
20260217.18	1.03	N	4.1	4	W
20260217.21	1.10	NE	4.5	4	NE
20260218.00	1.03	NE	4.7	5	NE
20260218.03	0.94	NE	4.9	3	NE
20260218.06	0.86	NE	4.9	1	NW
20260218.09	0.79	NE	4.9	1	N
20260218.12	0.73	NE	4.8	3	SE
20260218.15	0.69	NE	4.6	5	NE
20260218.18	0.69	NE	4.2	7	W
20260218.21	0.69	E	3.9	5	NW
20260219.00	0.65	E	4.0	3	SW
20260219.03	0.61	E	4.2	2	SW
20260219.06	0.59	E	4.1	2	SW
20260219.09	0.57	E	3.9	3	E
20260219.12	0.56	E	3.6	5	SE
20260219.15	0.55	NE	3.4	3	SE
20260219.18	0.52	NE	3.6	1	SE
20260219.21	0.51	NE	3.5	3	E
20260220.00	0.55	N	3.3	5	E
20260220.03	0.59	NW	3.1	6	SW
20260220.06	0.64	W	3.2	6	SW
20260220.09	0.75	SW	3.2	7	SW
20260220.12	0.88	SW	3.4	8	SW
20260220.15	0.82	SW	3.5	5	SW
20260220.18	0.69	SW	3.7	3	N
20260220.21	0.65	S	3.9	4	S
20260221.00	0.68	SE	3.9	6	E
20260221.03	0.70	S	3.7	6	SE
20260221.06	0.68	SW	3.7	4	SE
20260221.09	0.72	W	3.5	5	S
20260221.12	0.78	W	3.4	8	SW

Wind condition in the Kuryik



Wave condition in the Kuryik



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260216.12	0.17	W	1.9	0	E
20260216.15	0.19	SW	2.1	2	NW
20260216.18	0.31	E	2.5	5	W
20260216.21	0.47	E	3.0	4	N
20260217.00	0.55	E	3.5	2	E
20260217.03	0.60	NE	3.8	3	S
20260217.06	0.64	NE	3.8	3	SE
20260217.09	0.65	NE	3.8	5	E
20260217.12	0.80	NE	3.6	7	NE
20260217.15	0.86	NE	3.8	6	NE
20260217.18	0.97	NE	4.1	5	W
20260217.21	1.07	E	4.4	4	NW
20260218.00	0.98	NE	4.6	2	NW
20260218.03	0.88	NE	4.8	2	W
20260218.06	0.81	NE	4.8	2	E
20260218.09	0.76	NE	4.8	4	S
20260218.12	0.73	NE	4.7	5	S
20260218.15	0.74	NE	4.3	5	NE
20260218.18	0.80	NE	4.0	7	W
20260218.21	0.80	E	3.8	6	NW
20260219.00	0.69	E	3.9	5	SW
20260219.03	0.61	E	4.1	5	S
20260219.06	0.61	NE	3.9	4	E
20260219.09	0.68	NE	3.4	4	SE
20260219.12	0.64	NE	3.4	6	SW
20260219.15	0.60	NE	3.3	6	SW
20260219.18	0.60	NE	3.3	5	NE
20260219.21	0.61	NE	3.2	4	NW
20260220.00	0.60	E	3.1	7	SW
20260220.03	0.61	S	3.0	6	SW
20260220.06	0.65	S	3.1	5	N
20260220.09	0.65	S	3.3	6	W
20260220.12	0.75	S	3.4	7	W
20260220.15	0.70	S	3.5	5	W
20260220.18	0.65	S	3.6	3	W
20260220.21	0.63	S	3.6	2	NW
20260221.00	0.60	SW	3.6	1	E
20260221.03	0.58	SW	3.6	2	S
20260221.06	0.55	W	3.6	1	SE
20260221.09	0.63	W	3.4	6	SW
20260221.12	0.98	W	3.6	10	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: Bazarbay L.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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