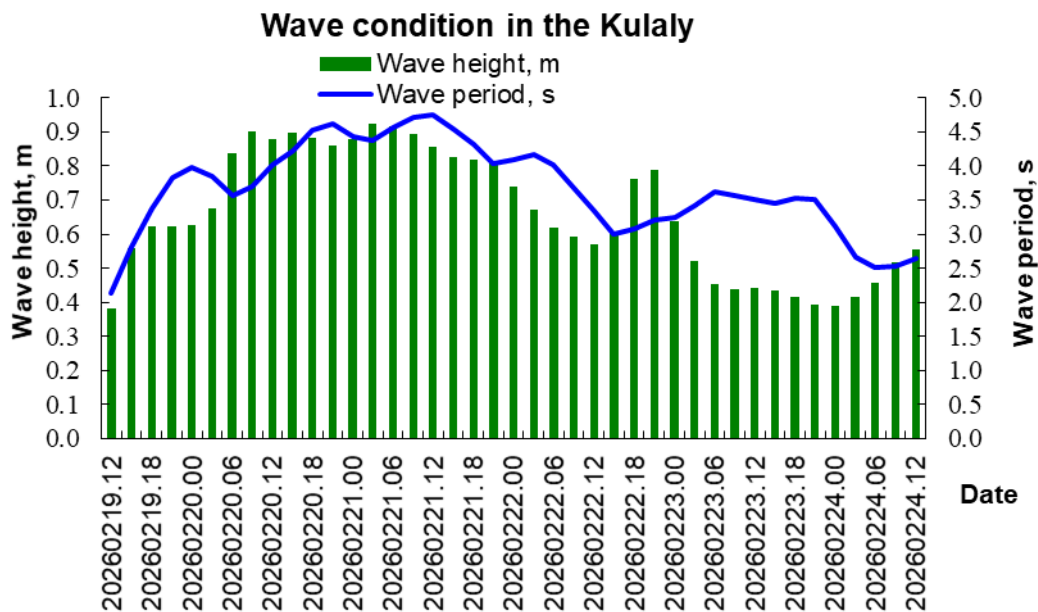
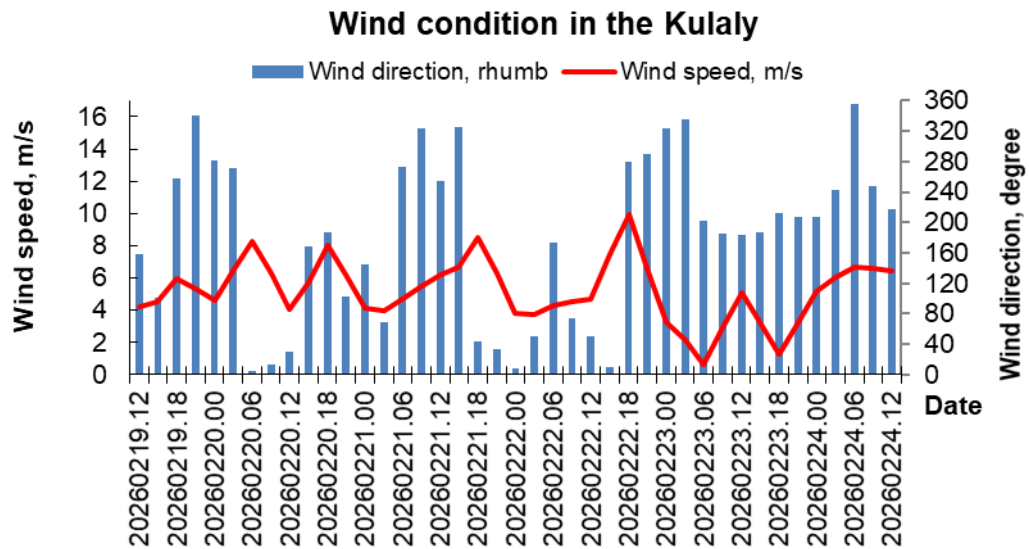




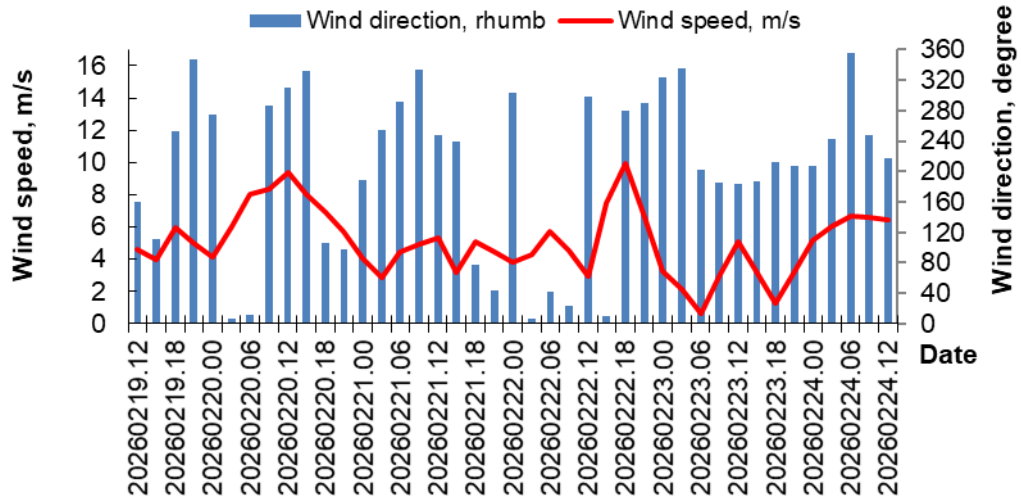
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 19 – 24, 2026 .**

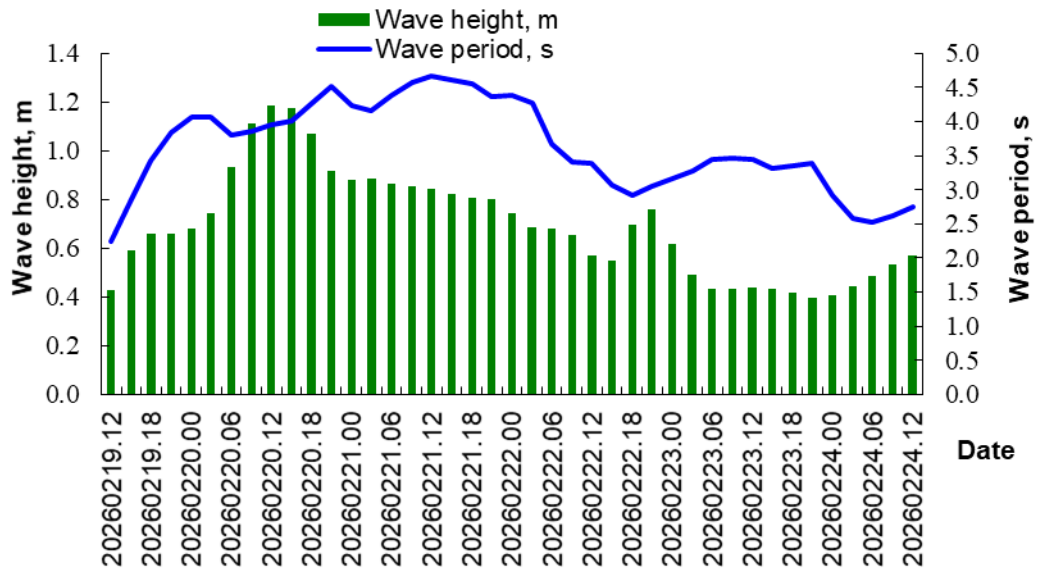


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.38	NW	2.1	4	S
20260219.15	0.56	N	2.8	5	E
20260219.18	0.62	N	3.4	6	W
20260219.21	0.62	N	3.8	5	N
20260220.00	0.63	NE	4.0	5	W
20260220.03	0.68	NE	3.9	6	W
20260220.06	0.84	E	3.6	8	N
20260220.09	0.90	E	3.7	6	N
20260220.12	0.88	E	4.0	4	NE
20260220.15	0.90	E	4.2	6	S
20260220.18	0.88	E	4.5	8	S
20260220.21	0.86	E	4.6	6	E
20260221.00	0.88	E	4.4	4	SE
20260221.03	0.92	N	4.4	4	E
20260221.06	0.92	NW	4.6	5	W
20260221.09	0.89	NW	4.7	6	NW
20260221.12	0.85	NW	4.8	6	W
20260221.15	0.83	N	4.5	7	NW
20260221.18	0.82	NE	4.3	8	NE
20260221.21	0.81	NE	4.0	6	NE
20260222.00	0.74	NE	4.1	4	N
20260222.03	0.67	NE	4.2	4	NE
20260222.06	0.62	NE	4.0	4	S
20260222.09	0.59	NE	3.7	5	E
20260222.12	0.57	NE	3.3	5	NE
20260222.15	0.61	NE	3.0	7	N
20260222.18	0.76	E	3.1	10	W
20260222.21	0.79	E	3.2	7	W
20260223.00	0.64	E	3.2	3	NW
20260223.03	0.52	E	3.4	2	NW
20260223.06	0.45	E	3.6	1	SW
20260223.09	0.44	E	3.6	3	S
20260223.12	0.44	NE	3.5	5	S
20260223.15	0.43	NE	3.5	3	S
20260223.18	0.41	NE	3.5	1	SW
20260223.21	0.39	NE	3.5	3	SW
20260224.00	0.39	NE	3.1	5	SW
20260224.03	0.41	E	2.7	6	SW
20260224.06	0.46	S	2.5	7	N
20260224.09	0.52	S	2.5	7	SW
20260224.12	0.56	S	2.6	6	SW

Wind condition in the Fort-Shevchenko

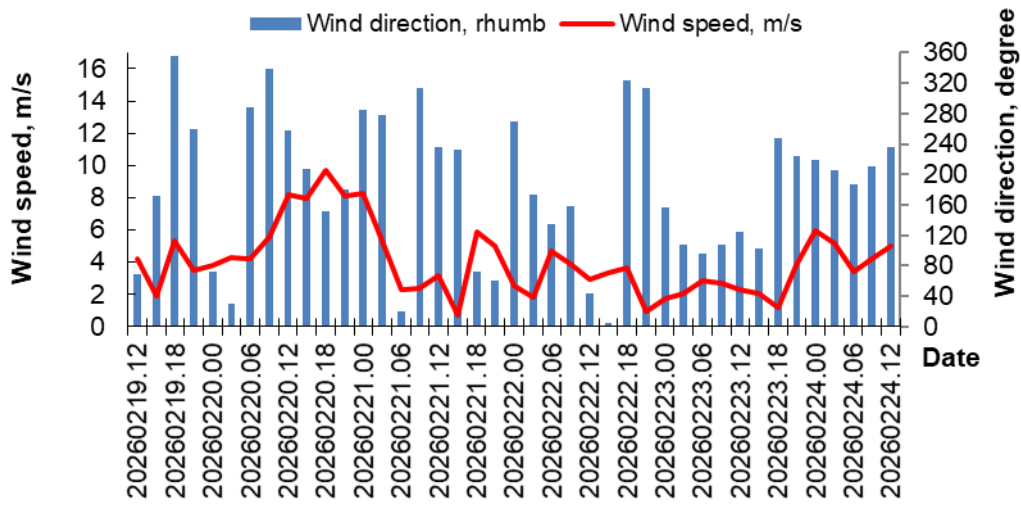


Wave condition in the Fort-Shevchenko

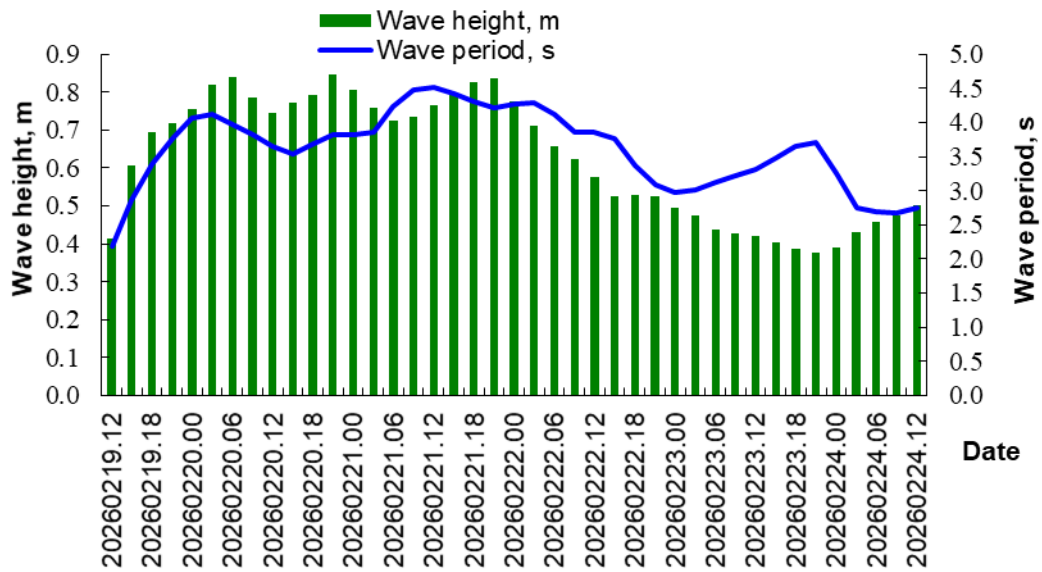


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.43	N	2.2	5	S
20260219.15	0.59	N	2.9	4	E
20260219.18	0.66	NE	3.4	6	W
20260219.21	0.66	NE	3.8	5	N
20260220.00	0.68	NE	4.1	4	W
20260220.03	0.74	NE	4.1	6	N
20260220.06	0.93	NE	3.8	8	N
20260220.09	1.11	E	3.9	8	W
20260220.12	1.19	E	4.0	9	NW
20260220.15	1.17	E	4.0	8	NW
20260220.18	1.07	E	4.3	7	E
20260220.21	0.92	E	4.5	6	E
20260221.00	0.88	E	4.2	4	S
20260221.03	0.89	NE	4.2	3	W
20260221.06	0.86	N	4.4	4	W
20260221.09	0.85	N	4.6	5	NW
20260221.12	0.84	NW	4.7	5	W
20260221.15	0.82	NW	4.6	3	SW
20260221.18	0.81	N	4.5	5	E
20260221.21	0.80	NE	4.4	4	NE
20260222.00	0.74	NE	4.4	4	NW
20260222.03	0.69	NE	4.3	4	N
20260222.06	0.68	NE	3.7	6	NE
20260222.09	0.65	NE	3.4	5	NE
20260222.12	0.57	NE	3.4	3	NW
20260222.15	0.55	E	3.1	7	N
20260222.18	0.69	E	2.9	10	W
20260222.21	0.76	E	3.0	7	W
20260223.00	0.61	E	3.2	3	NW
20260223.03	0.49	E	3.3	2	NW
20260223.06	0.43	E	3.4	1	SW
20260223.09	0.43	E	3.5	3	S
20260223.12	0.44	NE	3.4	5	S
20260223.15	0.43	NE	3.3	3	S
20260223.18	0.41	NE	3.4	1	SW
20260223.21	0.40	NE	3.4	3	SW
20260224.00	0.41	NE	2.9	5	SW
20260224.03	0.45	SE	2.6	6	SW
20260224.06	0.48	S	2.5	7	N
20260224.09	0.53	S	2.6	7	SW
20260224.12	0.57	S	2.7	6	SW

Wind condition in the Aktau

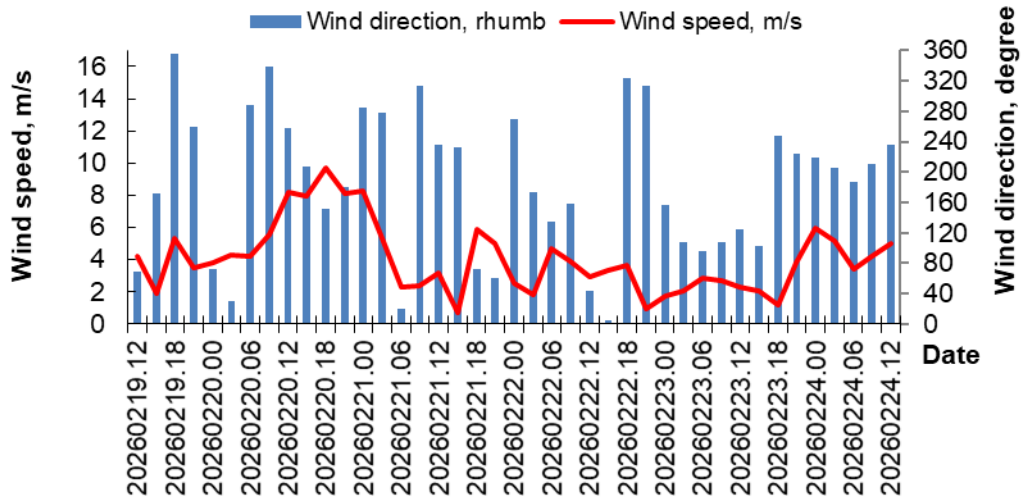


Wave condition in the Aktau

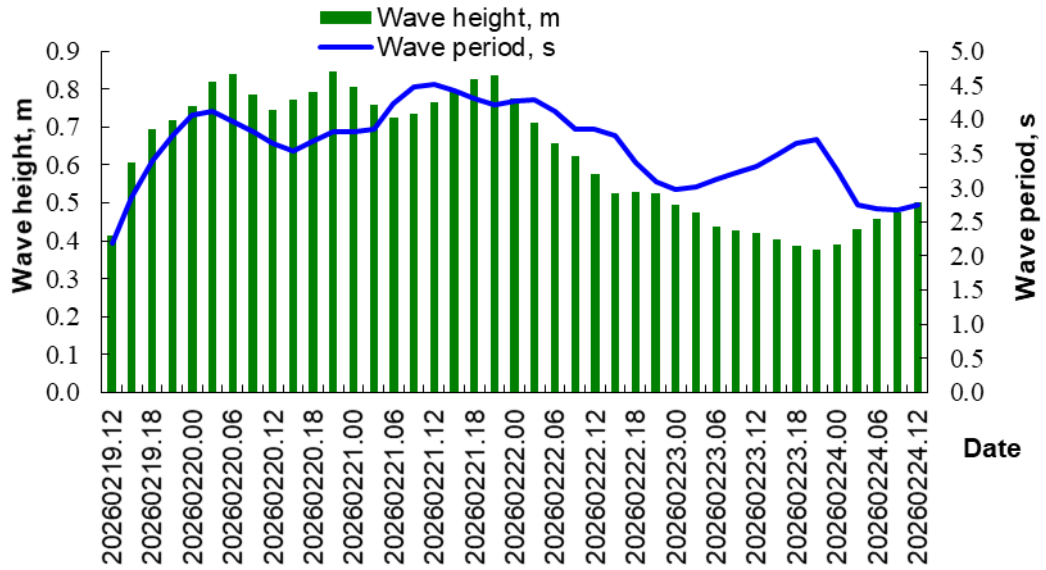


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260219.12	0.41	NE	2.2	4	E
20260219.15	0.60	NE	2.9	2	S
20260219.18	0.69	NE	3.4	5	N
20260219.21	0.72	NE	3.8	4	W
20260220.00	0.75	NE	4.1	4	E
20260220.03	0.82	NE	4.1	4	NE
20260220.06	0.84	NE	4.0	4	W
20260220.09	0.79	NE	3.8	6	N
20260220.12	0.74	E	3.6	8	W
20260220.15	0.77	SE	3.5	8	SW
20260220.18	0.79	SE	3.7	10	SE
20260220.21	0.85	N	3.8	8	S
20260221.00	0.80	NE	3.8	8	W
20260221.03	0.76	E	3.9	5	W
20260221.06	0.73	E	4.2	2	N
20260221.09	0.74	E	4.5	2	NW
20260221.12	0.76	NE	4.5	3	SW
20260221.15	0.79	NE	4.4	1	SW
20260221.18	0.83	N	4.3	6	E
20260221.21	0.84	N	4.2	5	NE
20260222.00	0.77	N	4.3	3	W
20260222.03	0.71	N	4.3	2	S
20260222.06	0.66	N	4.1	5	SE
20260222.09	0.62	N	3.9	4	S
20260222.12	0.57	N	3.9	3	NE
20260222.15	0.53	N	3.8	3	N
20260222.18	0.53	NE	3.4	4	NW
20260222.21	0.53	E	3.1	1	NW
20260223.00	0.50	NE	3.0	2	SE
20260223.03	0.47	NE	3.0	2	E
20260223.06	0.44	NE	3.1	3	E
20260223.09	0.43	NE	3.2	3	E
20260223.12	0.42	NE	3.3	2	SE
20260223.15	0.40	NE	3.5	2	E
20260223.18	0.39	NE	3.7	1	W
20260223.21	0.38	NE	3.7	4	SW
20260224.00	0.39	NE	3.3	6	SW
20260224.03	0.43	E	2.7	5	SW
20260224.06	0.46	S	2.7	3	S
20260224.09	0.48	SW	2.7	4	SW
20260224.12	0.50	SW	2.7	5	SW

Wind condition in the Aktau

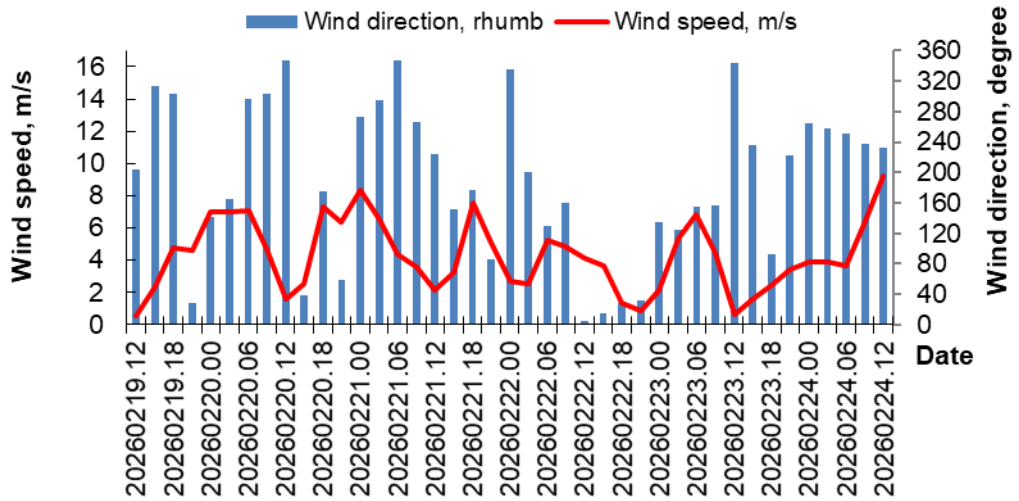


Wave condition in the Aktau

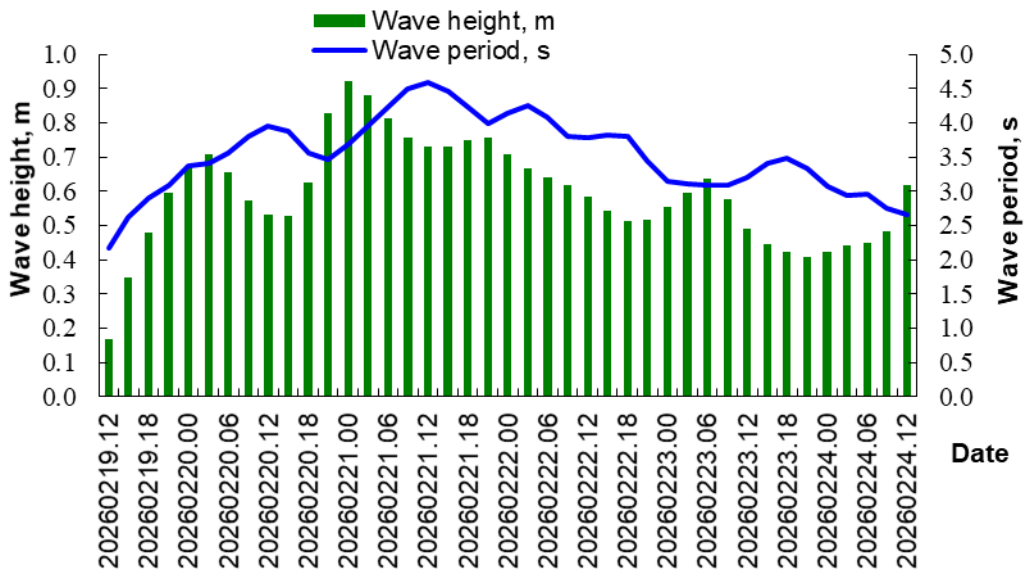


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.39	E	2.2	4	N
20260219.15	0.65	NE	3.0	5	W
20260219.18	0.78	E	3.3	8	NW
20260219.21	0.80	E	3.4	6	NW
20260220.00	0.80	NE	3.6	6	NE
20260220.03	0.83	NE	3.8	6	N
20260220.06	0.78	NE	3.7	7	W
20260220.09	0.77	E	3.4	9	NW
20260220.12	0.83	SE	3.3	11	W
20260220.15	0.94	SE	3.5	7	W
20260220.18	0.91	SE	3.7	8	S
20260220.21	0.86	E	3.8	8	NE
20260221.00	0.83	NE	3.8	9	N
20260221.03	0.78	NE	3.8	6	N
20260221.06	0.72	E	4.1	2	SW
20260221.09	0.71	E	4.5	2	SW
20260221.12	0.72	E	4.7	1	E
20260221.15	0.73	E	4.7	3	E
20260221.18	0.79	NE	4.4	7	E
20260221.21	0.83	N	4.0	5	E
20260222.00	0.76	N	4.2	3	NW
20260222.03	0.70	N	4.3	4	E
20260222.06	0.71	N	3.8	8	SE
20260222.09	0.72	NW	3.4	7	S
20260222.12	0.63	N	3.4	4	N
20260222.15	0.56	N	3.4	5	N
20260222.18	0.56	NE	3.0	5	NE
20260222.21	0.57	NE	2.9	4	E
20260223.00	0.55	NE	2.9	5	S
20260223.03	0.52	N	2.9	5	SE
20260223.06	0.50	NE	3.0	2	SW
20260223.09	0.49	NE	3.2	1	SW
20260223.12	0.46	NE	3.4	1	SW
20260223.15	0.43	NE	3.5	2	SW
20260223.18	0.40	NE	3.7	2	SE
20260223.21	0.39	NE	3.7	2	S
20260224.00	0.38	NE	3.6	3	W
20260224.03	0.39	NE	3.2	3	SW
20260224.06	0.40	NE	3.0	3	SW
20260224.09	0.42	S	2.8	4	SW
20260224.12	0.45	S	2.7	5	SW

Wind condition in the Fetisovo

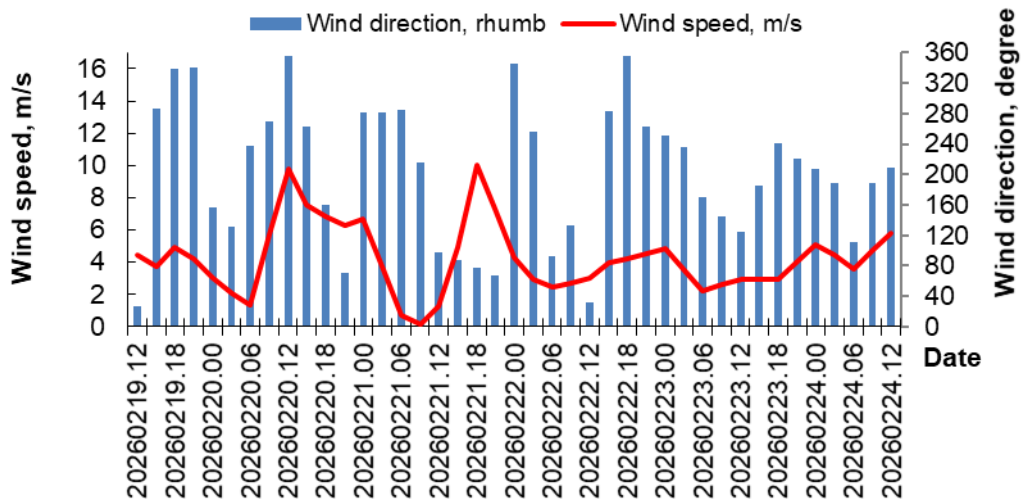


Wave condition in the Fetisovo

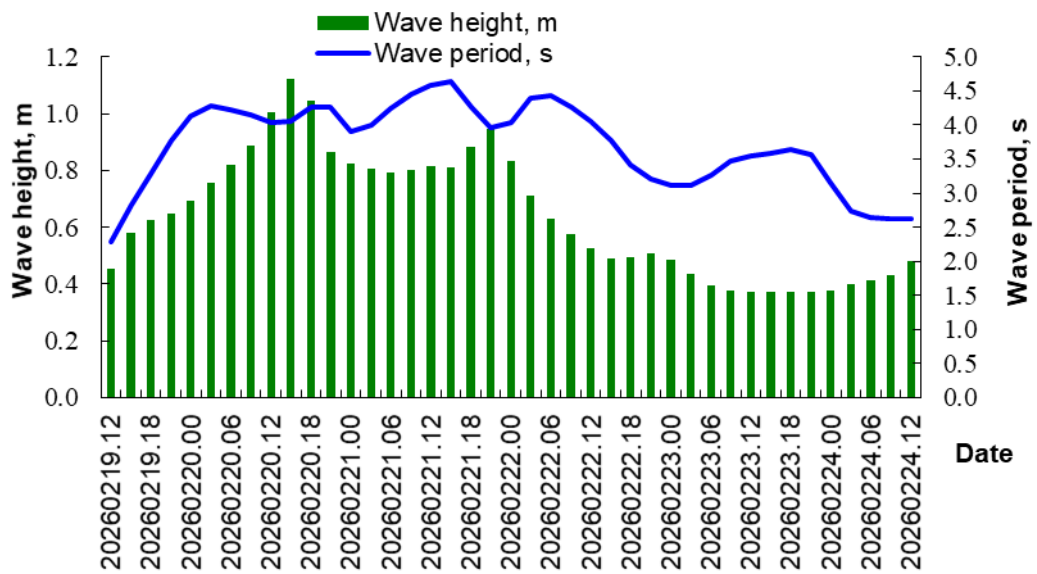


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.17	W	2.2	1	SW
20260219.15	0.35	W	2.6	2	NW
20260219.18	0.48	W	2.9	5	NW
20260219.21	0.60	W	3.1	5	NE
20260220.00	0.67	NW	3.4	7	SE
20260220.03	0.71	NW	3.4	7	S
20260220.06	0.66	N	3.6	7	NW
20260220.09	0.57	N	3.8	5	NW
20260220.12	0.53	NE	4.0	2	N
20260220.15	0.53	NE	3.9	3	NE
20260220.18	0.63	NE	3.6	7	S
20260220.21	0.83	N	3.5	6	NE
20260221.00	0.92	N	3.7	8	W
20260221.03	0.88	NE	3.9	7	NW
20260221.06	0.81	NE	4.2	4	N
20260221.09	0.76	NE	4.5	4	W
20260221.12	0.73	NE	4.6	2	SW
20260221.15	0.73	NE	4.5	3	SE
20260221.18	0.75	N	4.2	8	S
20260221.21	0.76	N	4.0	5	E
20260222.00	0.71	N	4.1	3	NW
20260222.03	0.67	N	4.2	3	S
20260222.06	0.64	N	4.1	5	SE
20260222.09	0.62	N	3.8	5	S
20260222.12	0.58	N	3.8	4	N
20260222.15	0.54	N	3.8	4	N
20260222.18	0.51	N	3.8	1	NE
20260222.21	0.51	N	3.4	1	NE
20260223.00	0.55	N	3.1	2	SE
20260223.03	0.59	N	3.1	5	SE
20260223.06	0.64	N	3.1	7	SE
20260223.09	0.58	N	3.1	4	SE
20260223.12	0.49	N	3.2	1	N
20260223.15	0.45	NE	3.4	2	SW
20260223.18	0.42	NE	3.5	2	E
20260223.21	0.41	NE	3.3	3	SW
20260224.00	0.42	N	3.1	4	W
20260224.03	0.44	N	2.9	4	W
20260224.06	0.45	W	3.0	4	W
20260224.09	0.48	SW	2.8	6	SW
20260224.12	0.62	SW	2.7	9	SW

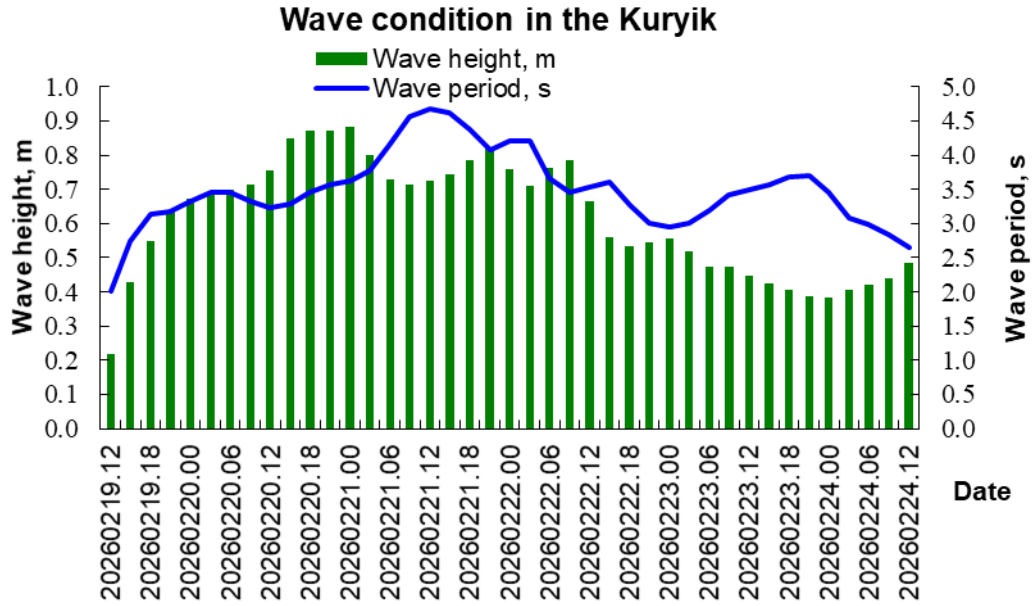
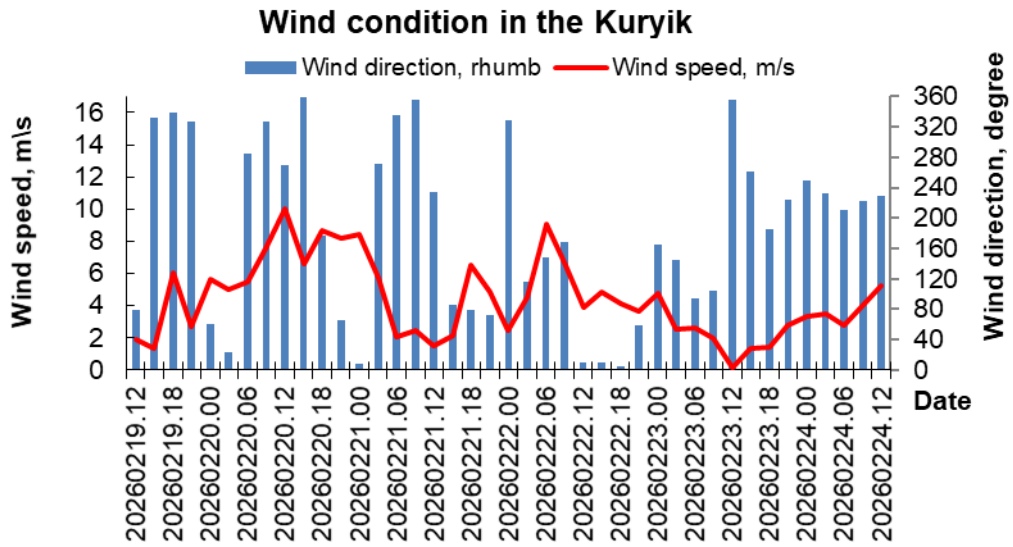
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.46	NE	2.3	4	NE
20260219.15	0.58	NE	2.8	4	W
20260219.18	0.63	NE	3.3	5	N
20260219.21	0.65	NE	3.8	4	N
20260220.00	0.69	NE	4.1	3	SE
20260220.03	0.76	NE	4.3	2	SE
20260220.06	0.82	NE	4.2	1	SW
20260220.09	0.89	NE	4.1	6	W
20260220.12	1.01	E	4.0	10	N
20260220.15	1.12	E	4.1	8	W
20260220.18	1.05	E	4.3	7	S
20260220.21	0.86	E	4.3	6	E
20260221.00	0.82	E	3.9	7	W
20260221.03	0.81	E	4.0	4	W
20260221.06	0.79	E	4.3	1	W
20260221.09	0.80	N	4.5	0	SW
20260221.12	0.81	N	4.6	1	E
20260221.15	0.81	N	4.6	5	E
20260221.18	0.88	N	4.3	10	E
20260221.21	0.95	N	4.0	7	NE
20260222.00	0.83	NE	4.0	4	N
20260222.03	0.71	NE	4.4	3	W
20260222.06	0.63	NE	4.4	2	E
20260222.09	0.57	NE	4.3	3	SE
20260222.12	0.53	NE	4.1	3	NE
20260222.15	0.49	NE	3.8	4	W
20260222.18	0.49	E	3.4	4	N
20260222.21	0.51	E	3.2	5	W
20260223.00	0.48	E	3.1	5	W
20260223.03	0.44	E	3.1	4	SW
20260223.06	0.40	E	3.3	2	S
20260223.09	0.38	E	3.5	3	SE
20260223.12	0.37	E	3.5	3	SE
20260223.15	0.37	NE	3.6	3	S
20260223.18	0.37	NE	3.6	3	SW
20260223.21	0.37	NE	3.6	4	SW
20260224.00	0.38	NE	3.2	5	SW
20260224.03	0.40	NE	2.7	4	S
20260224.06	0.41	E	2.7	4	E
20260224.09	0.43	S	2.6	5	S
20260224.12	0.48	SW	2.6	6	SW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260219.12	0.22	N	2.0	2	E
20260219.15	0.43	N	2.8	1	NW
20260219.18	0.55	NE	3.1	6	N
20260219.21	0.63	NE	3.2	3	NW
20260220.00	0.67	NE	3.3	6	NE
20260220.03	0.69	NE	3.5	5	NE
20260220.06	0.70	NE	3.4	5	W
20260220.09	0.71	NE	3.3	8	NW
20260220.12	0.75	E	3.2	10	W
20260220.15	0.85	SE	3.3	7	N
20260220.18	0.87	SE	3.5	9	S
20260220.21	0.87	NE	3.6	8	NE
20260221.00	0.88	NE	3.6	8	N
20260221.03	0.80	NE	3.8	6	W
20260221.06	0.73	NE	4.2	2	NW
20260221.09	0.71	NE	4.6	2	N
20260221.12	0.72	E	4.7	2	SW
20260221.15	0.74	NE	4.6	2	E
20260221.18	0.79	N	4.4	7	E
20260221.21	0.82	N	4.1	5	E
20260222.00	0.76	N	4.2	2	NW
20260222.03	0.71	N	4.2	5	SE
20260222.06	0.76	NW	3.7	9	SE
20260222.09	0.79	NW	3.5	7	S
20260222.12	0.67	N	3.5	4	N
20260222.15	0.56	N	3.6	5	N
20260222.18	0.53	N	3.3	4	N
20260222.21	0.54	NE	3.0	4	NE
20260223.00	0.56	N	3.0	5	S
20260223.03	0.52	N	3.0	3	SE
20260223.06	0.48	NE	3.2	3	E
20260223.09	0.48	NE	3.4	2	E
20260223.12	0.45	NE	3.5	0	N
20260223.15	0.43	NE	3.6	1	W
20260223.18	0.40	NE	3.7	1	S
20260223.21	0.39	NE	3.7	3	SW
20260224.00	0.38	NE	3.5	3	W
20260224.03	0.41	NE	3.1	3	SW
20260224.06	0.42	E	3.0	3	SW
20260224.09	0.44	S	2.8	4	SW
20260224.12	0.48	SW	2.7	5	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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