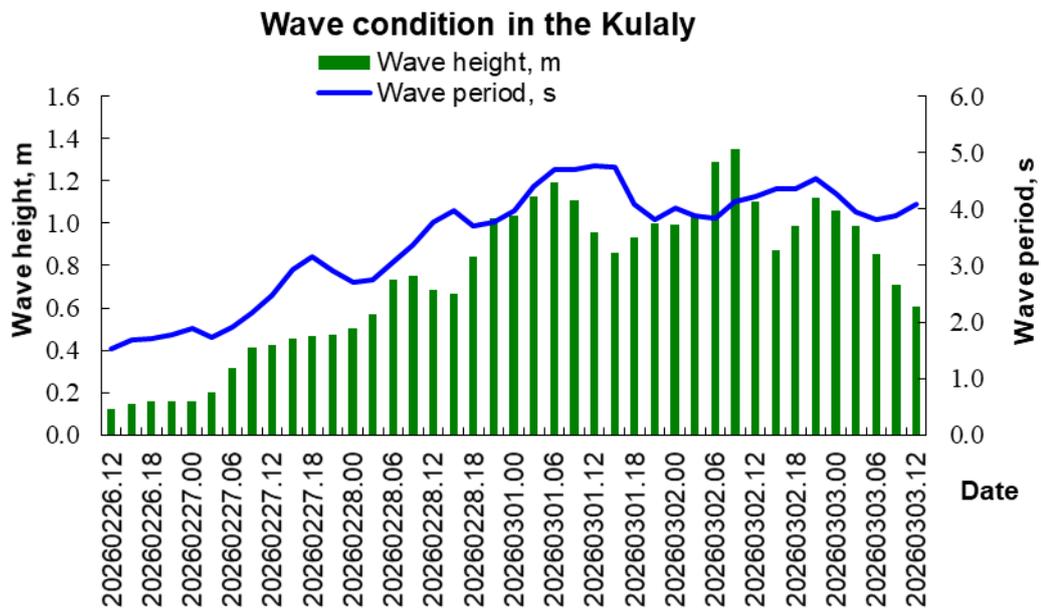
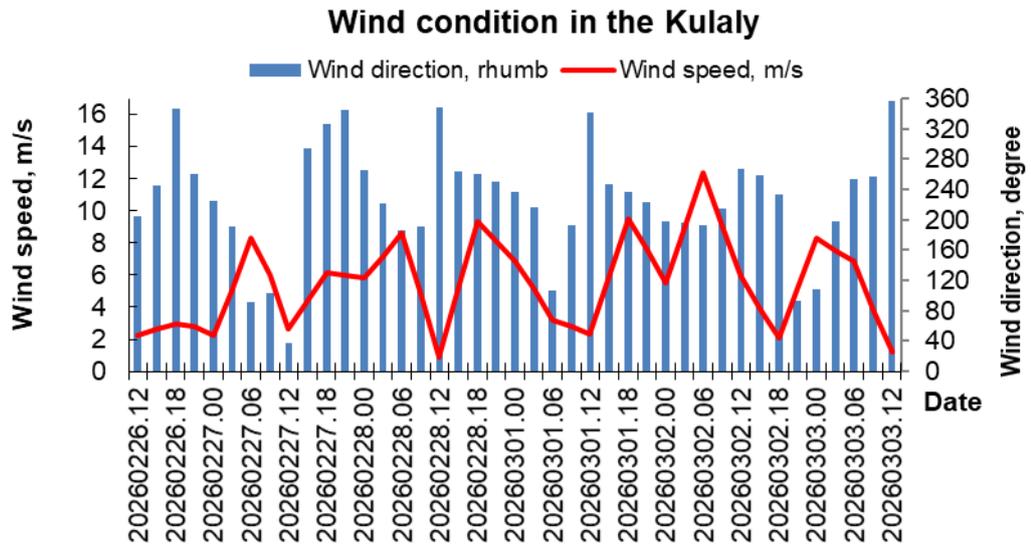




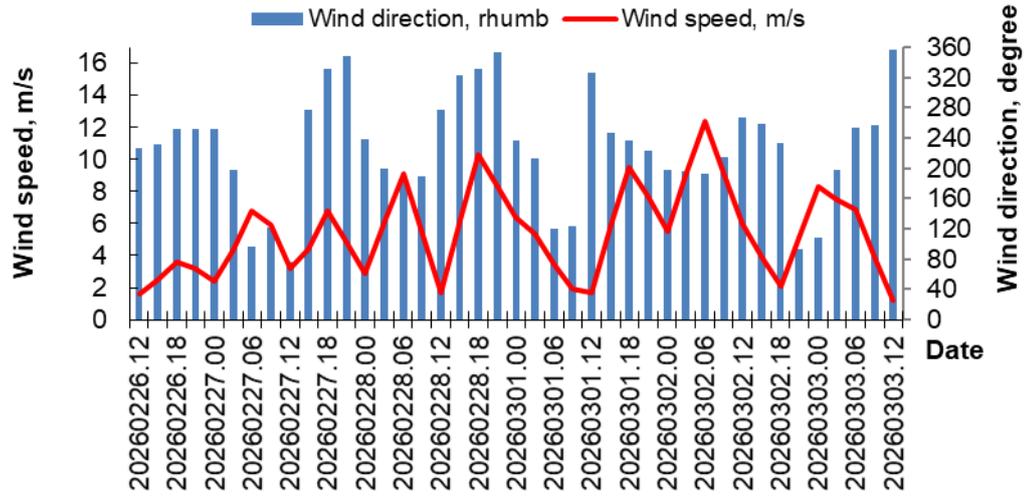
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES  
OF THE REPUBLIC OF KAZAKHSTAN  
RSE «KAZHYDROMET»**

**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 26 – March 03, 2026 .**

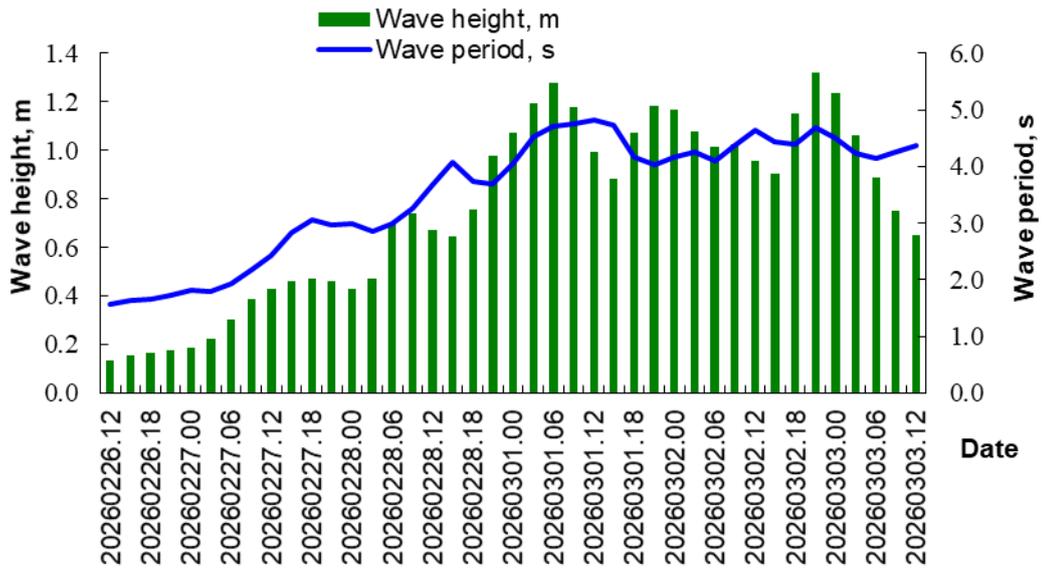


ate time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.12	SW	1.5	2	SW
20260226.15	0.15	W	1.7	3	SW
20260226.18	0.16	W	1.7	3	N
20260226.21	0.16	W	1.8	3	W
20260227.00	0.16	W	1.9	2	SW
20260227.03	0.20	SW	1.7	5	S
20260227.06	0.32	W	1.9	8	E
20260227.09	0.41	W	2.2	6	E
20260227.12	0.42	W	2.5	3	NE
20260227.15	0.46	SW	2.9	4	NW
20260227.18	0.47	SW	3.2	6	NW
20260227.21	0.47	SW	2.9	6	N
20260228.00	0.50	SW	2.7	6	W
20260228.03	0.57	SW	2.7	7	SW
20260228.06	0.73	SW	3.1	9	S
20260228.09	0.75	SW	3.4	5	S
20260228.12	0.68	SW	3.8	1	N
20260228.15	0.67	SW	4.0	5	W
20260228.18	0.84	SW	3.7	9	W
20260228.21	1.02	SW	3.8	8	W
20260301.00	1.04	SW	4.0	7	SW
20260301.03	1.13	SW	4.4	5	SW
20260301.06	1.19	SW	4.7	3	E
20260301.09	1.11	SW	4.7	3	S
20260301.12	0.95	SW	4.8	2	N
20260301.15	0.86	SW	4.7	6	SW
20260301.18	0.93	SW	4.1	10	SW
20260301.21	1.00	SW	3.8	8	SW
20260302.00	0.99	SW	4.0	6	S
20260302.03	1.04	SW	3.9	9	S
20260302.06	1.29	SW	3.8	12	S
20260302.09	1.35	SW	4.1	9	SW
20260302.12	1.10	SW	4.2	6	W
20260302.15	0.88	SW	4.4	4	W
20260302.18	0.98	SW	4.4	2	SW
20260302.21	1.12	SW	4.5	5	E
20260303.00	1.06	SW	4.3	8	E
20260303.03	0.99	SW	4.0	8	S
20260303.06	0.86	SW	3.8	7	W
20260303.09	0.71	SW	3.9	4	W
20260303.12	0.60	SW	4.1	1	N

### Wind condition in the Fort-Shevchenko

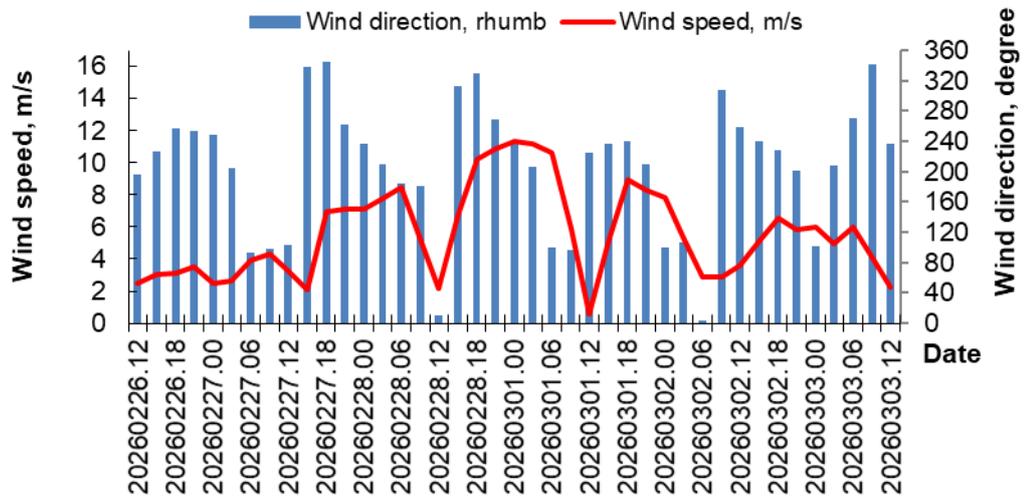


### Wave condition in the Fort-Shevchenko

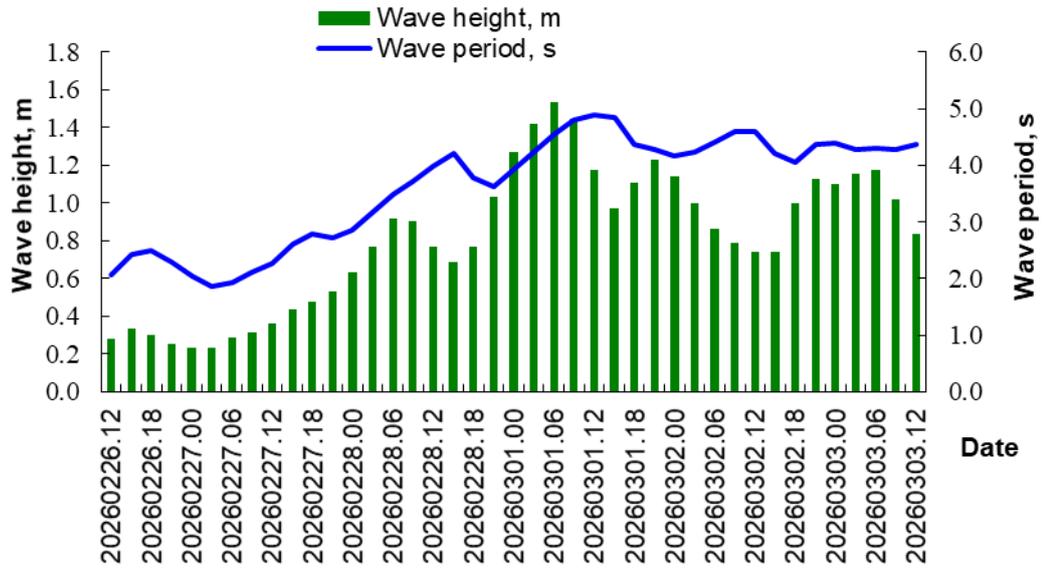


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.13	SW	1.6	2	SW
20260226.15	0.15	S	1.6	2	SW
20260226.18	0.17	SW	1.6	4	W
20260226.21	0.17	SW	1.7	3	W
20260227.00	0.18	S	1.8	2	W
20260227.03	0.22	S	1.8	4	S
20260227.06	0.30	SW	1.9	7	E
20260227.09	0.39	W	2.2	6	SE
20260227.12	0.43	W	2.4	3	E
20260227.15	0.46	W	2.8	4	W
20260227.18	0.47	SW	3.1	7	NW
20260227.21	0.46	SW	3.0	5	N
20260228.00	0.43	SW	3.0	3	SW
20260228.03	0.47	SW	2.9	6	S
20260228.06	0.70	W	3.0	9	S
20260228.09	0.74	W	3.3	5	S
20260228.12	0.67	SW	3.7	2	W
20260228.15	0.64	SW	4.1	6	NW
20260228.18	0.76	SW	3.7	10	NW
20260228.21	0.98	S	3.7	8	N
20260301.00	1.07	SW	4.1	6	SW
20260301.03	1.20	SW	4.5	5	SW
20260301.06	1.28	SW	4.7	3	SE
20260301.09	1.18	SW	4.8	2	SE
20260301.12	0.99	SW	4.8	2	NW
20260301.15	0.88	SW	4.7	6	SW
20260301.18	1.07	SW	4.2	10	SW
20260301.21	1.18	SW	4.0	8	SW
20260302.00	1.17	SW	4.2	6	S
20260302.03	1.08	SW	4.3	9	S
20260302.06	1.01	SW	4.1	12	S
20260302.09	1.03	SW	4.4	9	SW
20260302.12	0.96	SW	4.6	6	W
20260302.15	0.90	SW	4.4	4	W
20260302.18	1.15	SW	4.4	2	SW
20260302.21	1.32	SW	4.7	5	E
20260303.00	1.24	SW	4.5	8	E
20260303.03	1.06	SW	4.2	8	S
20260303.06	0.89	SW	4.1	7	W
20260303.09	0.75	SW	4.3	4	W
20260303.12	0.65	SW	4.4	1	N

### Wind condition in the Aktau

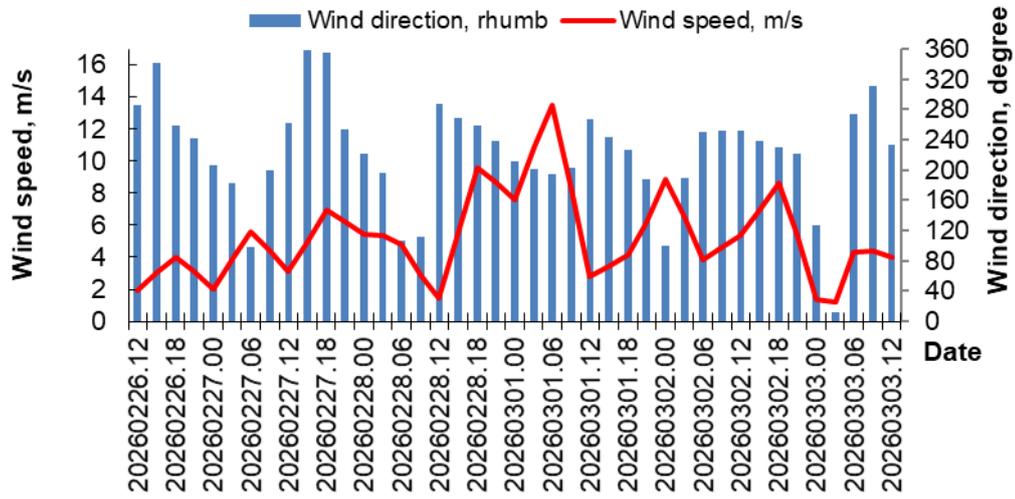


### Wave condition in the Aktau

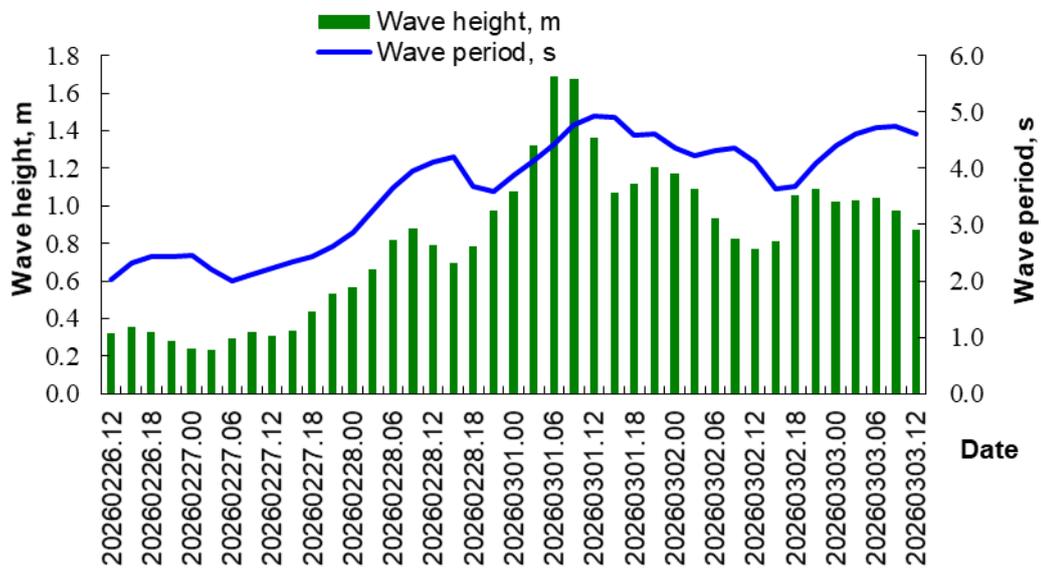


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260226.12	0.28	W	2.1	2	S
20260226.15	0.33	SW	2.4	3	SW
20260226.18	0.30	SW	2.5	3	W
20260226.21	0.25	S	2.3	4	W
20260227.00	0.23	S	2.0	2	W
20260227.03	0.23	SW	1.9	3	SW
20260227.06	0.28	W	1.9	4	E
20260227.09	0.32	W	2.1	4	E
20260227.12	0.36	W	2.3	3	E
20260227.15	0.43	W	2.6	2	N
20260227.18	0.48	SW	2.8	7	N
20260227.21	0.53	SW	2.7	7	W
20260228.00	0.63	SW	2.9	7	SW
20260228.03	0.77	SW	3.2	8	SW
20260228.06	0.92	SW	3.5	8	S
20260228.09	0.91	SW	3.7	5	S
20260228.12	0.77	SW	4.0	2	N
20260228.15	0.69	SW	4.2	7	NW
20260228.18	0.77	SW	3.8	10	NW
20260228.21	1.03	S	3.6	11	W
20260301.00	1.27	S	3.9	11	SW
20260301.03	1.42	SW	4.2	11	SW
20260301.06	1.53	SW	4.6	11	E
20260301.09	1.45	SW	4.8	6	E
20260301.12	1.17	SW	4.9	1	SW
20260301.15	0.97	SW	4.9	5	SW
20260301.18	1.10	SW	4.4	9	SW
20260301.21	1.23	SW	4.3	8	SW
20260302.00	1.14	SW	4.2	8	E
20260302.03	1.00	SW	4.2	5	E
20260302.06	0.86	SW	4.4	3	N
20260302.09	0.79	SW	4.6	3	NW
20260302.12	0.74	SW	4.6	4	W
20260302.15	0.74	SW	4.2	5	SW
20260302.18	1.00	SW	4.1	7	SW
20260302.21	1.13	SW	4.4	6	S
20260303.00	1.10	SW	4.4	6	E
20260303.03	1.15	SW	4.3	5	SW
20260303.06	1.17	SW	4.3	6	W
20260303.09	1.02	SW	4.3	4	N
20260303.12	0.84	SW	4.4	2	SW

### Wind condition in the Peschanyi

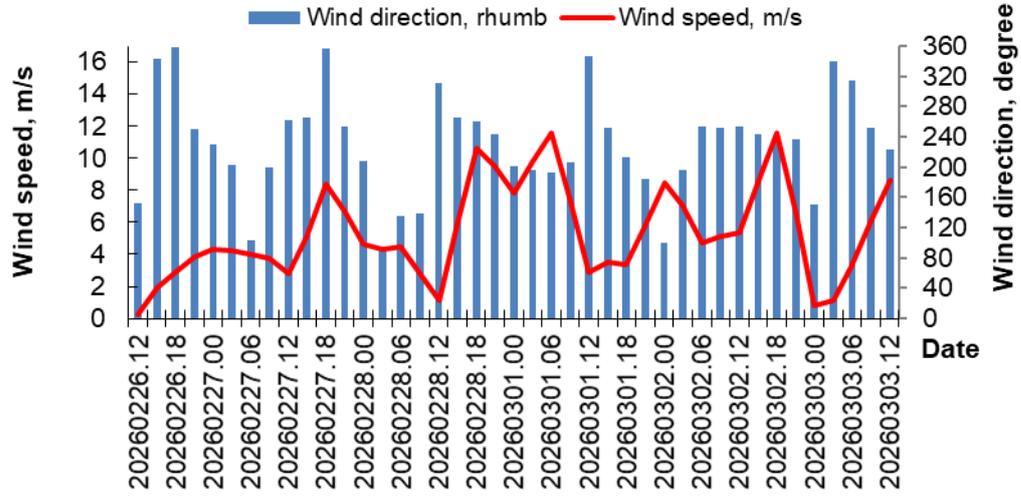


### Wave condition in the Peschanyi

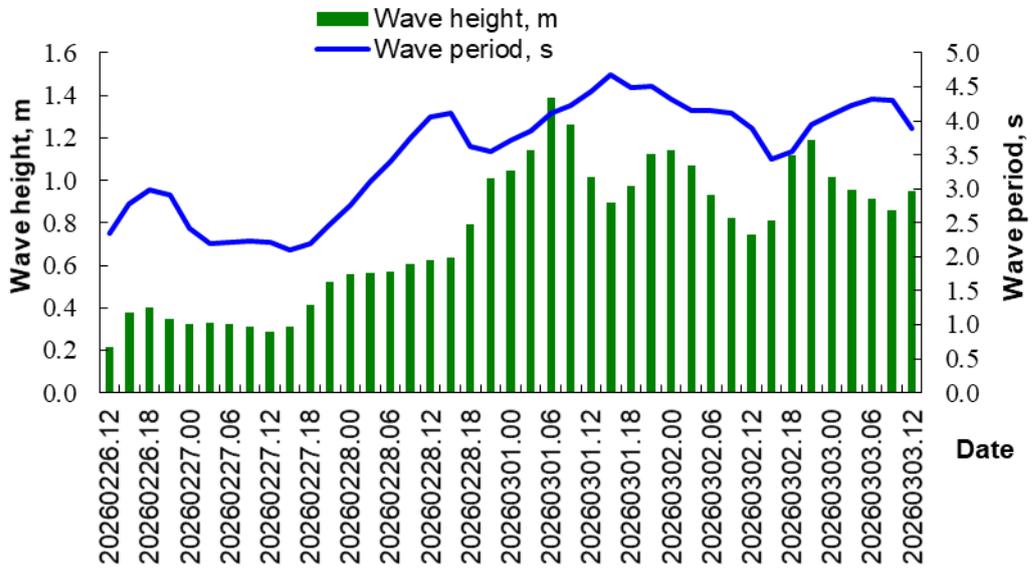


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.32	E	2.0	2	W
20260226.15	0.36	S	2.3	3	N
20260226.18	0.33	SW	2.4	4	W
20260226.21	0.28	SW	2.4	3	SW
20260227.00	0.24	SW	2.5	2	SW
20260227.03	0.23	W	2.2	4	S
20260227.06	0.29	W	2.0	6	E
20260227.09	0.33	W	2.1	4	S
20260227.12	0.31	W	2.2	3	W
20260227.15	0.33	SW	2.4	5	N
20260227.18	0.44	SW	2.4	7	N
20260227.21	0.53	SW	2.6	6	W
20260228.00	0.57	SW	2.9	5	SW
20260228.03	0.66	SW	3.3	5	S
20260228.06	0.82	SW	3.7	5	E
20260228.09	0.88	SW	3.9	3	E
20260228.12	0.79	SW	4.1	1	W
20260228.15	0.70	SW	4.2	5	W
20260228.18	0.78	SW	3.7	10	W
20260228.21	0.97	SW	3.6	9	SW
20260301.00	1.08	SW	3.9	8	SW
20260301.03	1.32	SW	4.1	11	S
20260301.06	1.69	SW	4.4	13	S
20260301.09	1.67	SW	4.8	8	SW
20260301.12	1.36	SW	4.9	3	W
20260301.15	1.07	SW	4.9	3	SW
20260301.18	1.11	SW	4.6	4	SW
20260301.21	1.21	SW	4.6	6	S
20260302.00	1.17	SW	4.3	9	E
20260302.03	1.09	SW	4.2	6	S
20260302.06	0.93	SW	4.3	4	W
20260302.09	0.82	SW	4.4	5	W
20260302.12	0.77	SW	4.1	5	W
20260302.15	0.81	SW	3.6	7	SW
20260302.18	1.05	SW	3.7	9	SW
20260302.21	1.09	SW	4.1	5	SW
20260303.00	1.03	SW	4.4	1	SE
20260303.03	1.03	SW	4.6	1	N
20260303.06	1.04	SW	4.7	4	W
20260303.09	0.97	SW	4.8	4	NW
20260303.12	0.88	SW	4.6	4	SW

### Wind condition in the Fetisovo

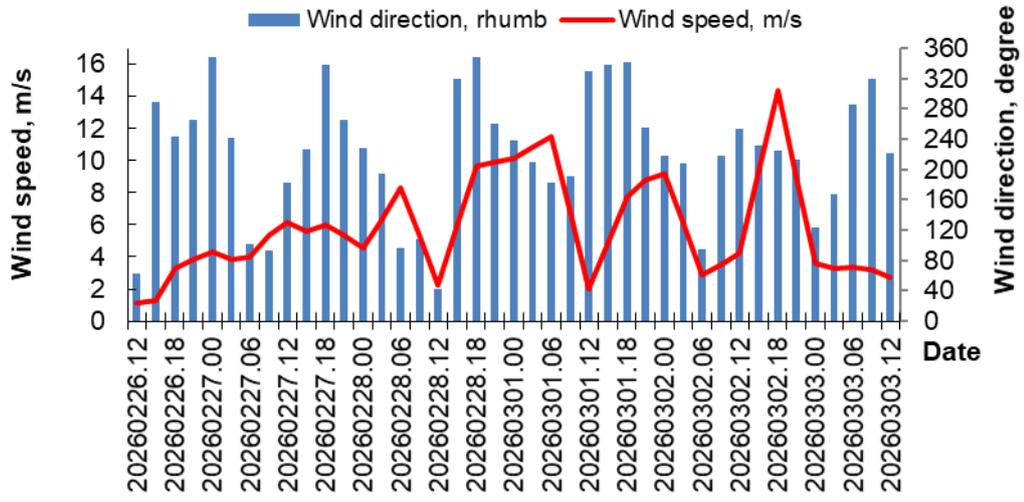


### Wave condition in the Fetisovo

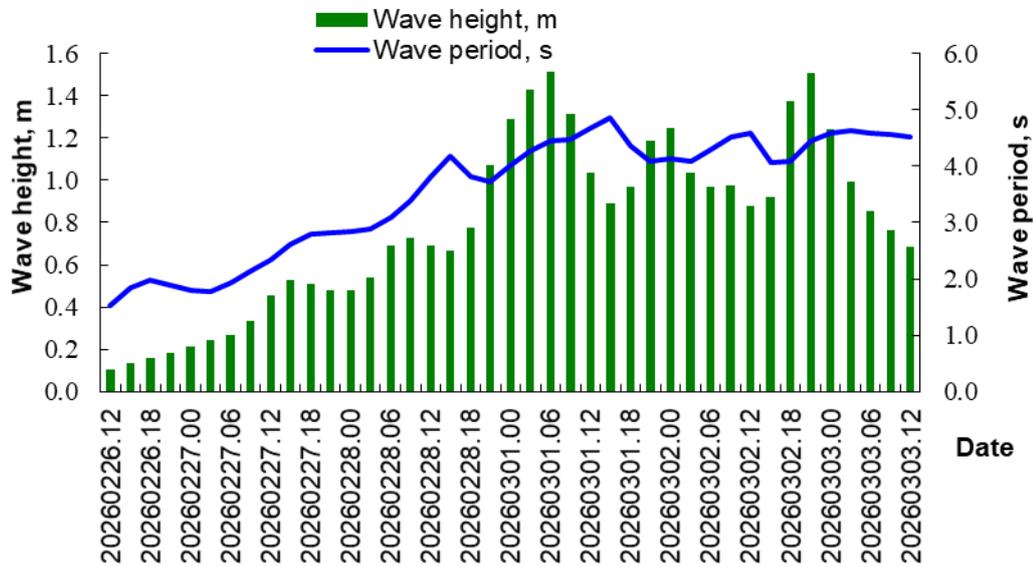


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.21	W	2.3	0	SE
20260226.15	0.38	W	2.8	2	N
20260226.18	0.40	W	3.0	3	N
20260226.21	0.35	W	2.9	4	W
20260227.00	0.32	SW	2.4	4	SW
20260227.03	0.33	W	2.2	4	S
20260227.06	0.33	W	2.2	4	E
20260227.09	0.31	W	2.2	4	S
20260227.12	0.28	W	2.2	3	W
20260227.15	0.31	SW	2.1	5	W
20260227.18	0.42	SW	2.2	8	N
20260227.21	0.52	S	2.5	7	W
20260228.00	0.56	SW	2.8	5	SW
20260228.03	0.57	SW	3.1	4	E
20260228.06	0.57	SW	3.4	4	SE
20260228.09	0.60	SW	3.8	3	SE
20260228.12	0.62	SW	4.1	1	NW
20260228.15	0.63	SW	4.1	6	W
20260228.18	0.79	SW	3.6	11	W
20260228.21	1.01	SW	3.5	10	SW
20260301.00	1.04	SW	3.7	8	S
20260301.03	1.14	SW	3.8	10	S
20260301.06	1.39	W	4.1	12	S
20260301.09	1.26	W	4.2	7	SW
20260301.12	1.01	W	4.4	3	N
20260301.15	0.89	W	4.7	4	W
20260301.18	0.97	SW	4.5	3	SW
20260301.21	1.12	SW	4.5	6	S
20260302.00	1.14	SW	4.3	8	E
20260302.03	1.07	W	4.2	7	S
20260302.06	0.93	W	4.2	5	W
20260302.09	0.82	W	4.1	5	W
20260302.12	0.75	SW	3.9	5	W
20260302.15	0.81	SW	3.4	9	SW
20260302.18	1.12	SW	3.6	12	SW
20260302.21	1.19	SW	3.9	7	SW
20260303.00	1.01	SW	4.1	1	SE
20260303.03	0.96	SW	4.2	1	N
20260303.06	0.91	SW	4.3	3	NW
20260303.09	0.86	SW	4.3	6	W
20260303.12	0.95	SW	3.9	9	SW

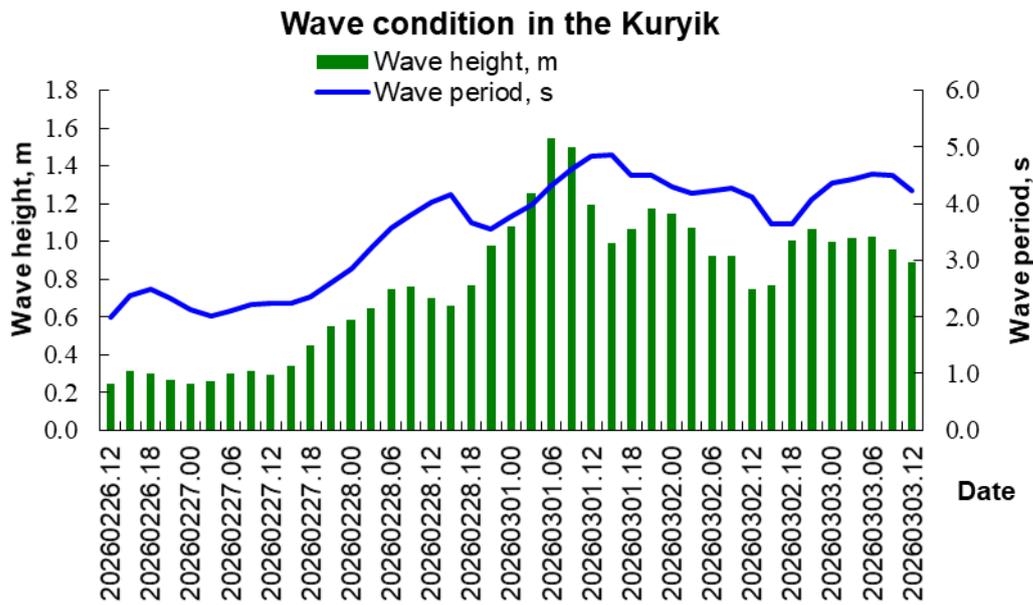
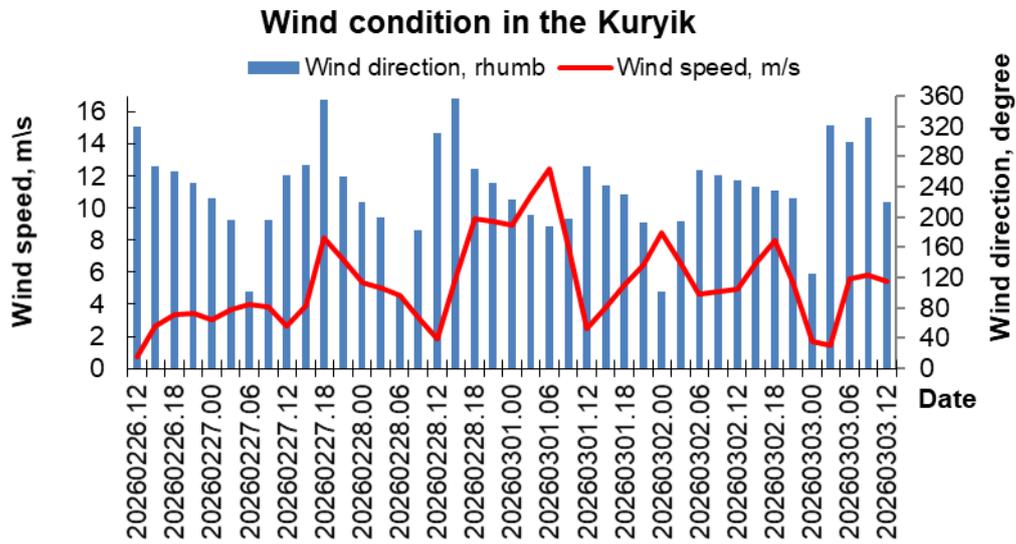
### Wind condition in the Saura



### Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.11	W	1.5	1	NE
20260226.15	0.14	NE	1.8	1	W
20260226.18	0.16	E	2.0	3	SW
20260226.21	0.18	SE	1.9	4	W
20260227.00	0.21	S	1.8	4	N
20260227.03	0.24	S	1.8	4	SW
20260227.06	0.27	SW	1.9	4	E
20260227.09	0.33	W	2.1	5	E
20260227.12	0.46	W	2.3	6	S
20260227.15	0.53	W	2.6	6	SW
20260227.18	0.51	SW	2.8	6	N
20260227.21	0.48	SW	2.8	5	W
20260228.00	0.48	SW	2.8	5	SW
20260228.03	0.54	SW	2.9	6	S
20260228.06	0.69	SW	3.1	8	E
20260228.09	0.73	SW	3.4	5	E
20260228.12	0.69	SW	3.8	2	NE
20260228.15	0.66	SW	4.2	6	NW
20260228.18	0.78	SW	3.8	10	N
20260228.21	1.07	S	3.7	10	W
20260301.00	1.29	SW	4.0	10	SW
20260301.03	1.43	SW	4.3	11	SW
20260301.06	1.52	SW	4.4	12	S
20260301.09	1.31	SW	4.5	7	S
20260301.12	1.04	SW	4.7	2	NW
20260301.15	0.89	SW	4.9	5	N
20260301.18	0.97	SW	4.3	8	N
20260301.21	1.19	SW	4.1	9	W
20260302.00	1.25	SW	4.1	9	SW
20260302.03	1.03	SW	4.1	6	SW
20260302.06	0.97	SW	4.3	3	E
20260302.09	0.97	SW	4.5	4	SW
20260302.12	0.88	SW	4.6	4	W
20260302.15	0.92	SW	4.1	9	SW
20260302.18	1.38	SW	4.1	14	SW
20260302.21	1.51	SW	4.4	9	SW
20260303.00	1.24	SW	4.6	4	SE
20260303.03	0.99	SW	4.6	3	S
20260303.06	0.86	SW	4.6	3	W
20260303.09	0.76	SW	4.6	3	NW
20260303.12	0.68	SW	4.5	3	SW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260226.12	0.24	W	2.0	1	NW
20260226.15	0.31	W	2.4	3	W
20260226.18	0.30	W	2.5	3	W
20260226.21	0.26	SW	2.3	3	SW
20260227.00	0.25	SW	2.1	3	SW
20260227.03	0.26	SW	2.0	4	S
20260227.06	0.30	W	2.1	4	E
20260227.09	0.31	W	2.2	4	S
20260227.12	0.29	W	2.2	3	W
20260227.15	0.34	SW	2.2	4	W
20260227.18	0.45	SW	2.4	8	N
20260227.21	0.55	SW	2.6	7	W
20260228.00	0.59	SW	2.9	5	SW
20260228.03	0.65	SW	3.2	5	S
20260228.06	0.74	SW	3.6	5	E
20260228.09	0.76	SW	3.8	3	S
20260228.12	0.70	SW	4.0	2	NW
20260228.15	0.66	SW	4.2	6	N
20260228.18	0.76	SW	3.7	9	W
20260228.21	0.98	SW	3.5	9	SW
20260301.00	1.08	SW	3.8	9	SW
20260301.03	1.25	SW	4.0	11	SW
20260301.06	1.55	SW	4.3	12	S
20260301.09	1.50	W	4.6	8	S
20260301.12	1.19	W	4.8	2	W
20260301.15	0.99	W	4.9	4	SW
20260301.18	1.07	SW	4.5	5	SW
20260301.21	1.17	SW	4.5	7	S
20260302.00	1.14	SW	4.3	8	E
20260302.03	1.07	SW	4.2	7	S
20260302.06	0.92	SW	4.2	5	W
20260302.09	0.92	SW	4.3	5	W
20260302.12	0.75	SW	4.1	5	W
20260302.15	0.77	SW	3.6	7	SW
20260302.18	1.01	SW	3.6	8	SW
20260302.21	1.07	SW	4.1	5	SW
20260303.00	1.00	SW	4.4	2	SE
20260303.03	1.02	SW	4.4	1	NW
20260303.06	1.03	SW	4.5	6	NW
20260303.09	0.96	SW	4.5	6	NW
20260303.12	0.89	SW	4.2	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: Shishkina G.M..

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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