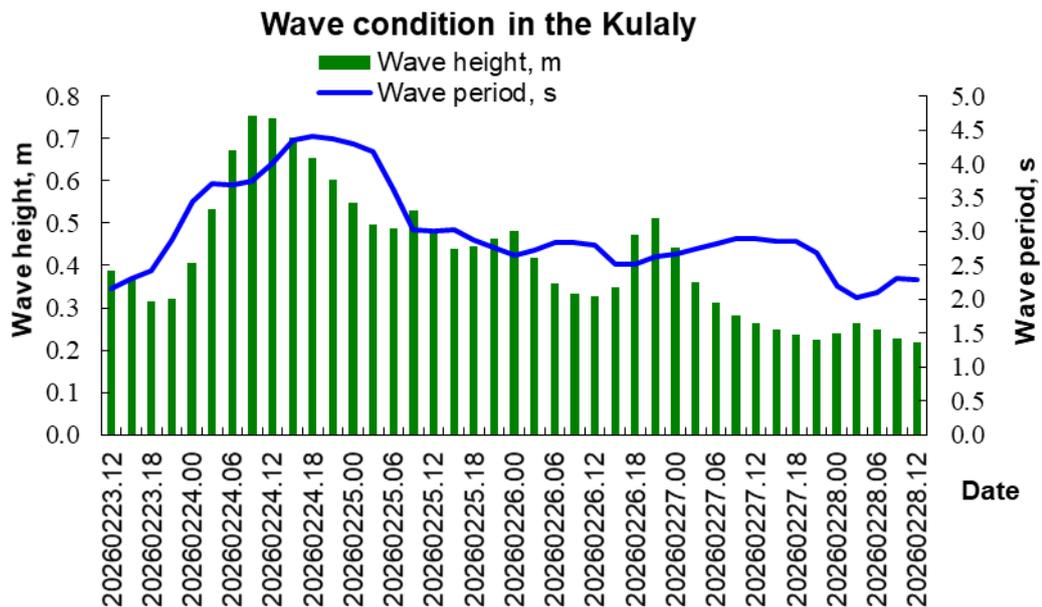
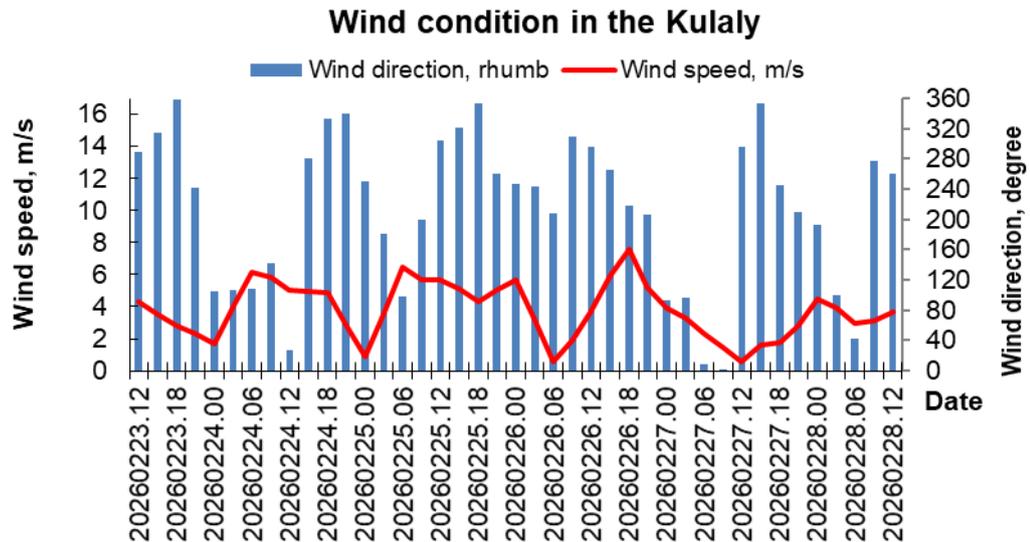




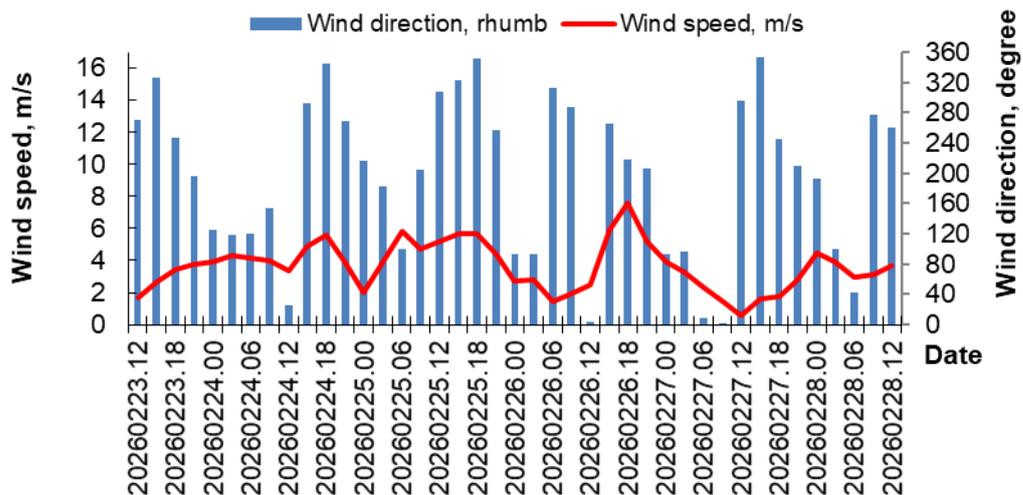
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 23 – 28, 2026 .**

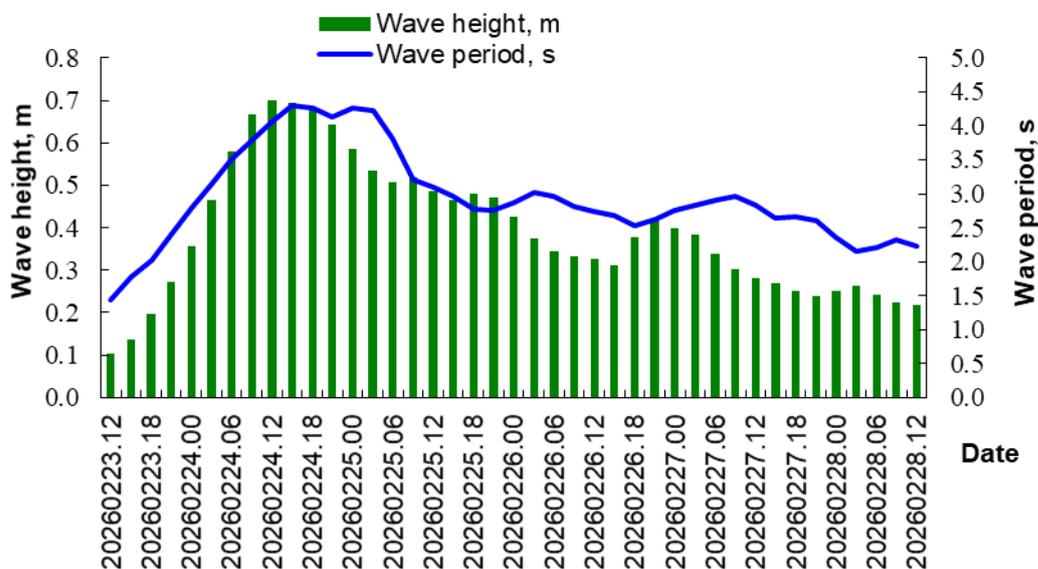


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.39	E	2.2	4	W
20260223.15	0.37	SE	2.3	4	NW
20260223.18	0.31	SE	2.4	3	N
20260223.21	0.32	S	2.9	2	SW
20260224.00	0.41	SW	3.5	2	E
20260224.03	0.53	W	3.7	4	E
20260224.06	0.67	W	3.7	6	E
20260224.09	0.75	W	3.7	6	SE
20260224.12	0.75	W	4.0	5	NE
20260224.15	0.70	SW	4.4	5	W
20260224.18	0.65	SW	4.4	5	NW
20260224.21	0.60	SW	4.4	3	N
20260225.00	0.55	SW	4.3	1	W
20260225.03	0.50	SW	4.2	4	S
20260225.06	0.49	SW	3.6	6	E
20260225.09	0.53	SW	3.0	6	S
20260225.12	0.48	SW	3.0	6	NW
20260225.15	0.44	SW	3.0	5	NW
20260225.18	0.45	S	2.9	4	N
20260225.21	0.46	S	2.8	5	W
20260226.00	0.48	S	2.7	6	W
20260226.03	0.42	SW	2.7	3	SW
20260226.06	0.36	SW	2.8	1	SW
20260226.09	0.33	SW	2.8	2	NW
20260226.12	0.33	SW	2.8	4	NW
20260226.15	0.35	SW	2.5	6	W
20260226.18	0.47	SW	2.5	8	SW
20260226.21	0.51	SW	2.6	5	SW
20260227.00	0.44	SW	2.7	4	E
20260227.03	0.36	SW	2.7	3	E
20260227.06	0.31	SW	2.8	2	N
20260227.09	0.28	SW	2.9	1	N
20260227.12	0.26	SW	2.9	1	NW
20260227.15	0.25	SW	2.9	2	N
20260227.18	0.24	SW	2.9	2	SW
20260227.21	0.22	SW	2.7	3	SW
20260228.00	0.24	SW	2.2	5	S
20260228.03	0.26	SW	2.0	4	E
20260228.06	0.25	SW	2.1	3	NE
20260228.09	0.23	SW	2.3	3	W
20260228.12	0.22	SW	2.3	4	W

Wind condition in the Fort-Shevchenko

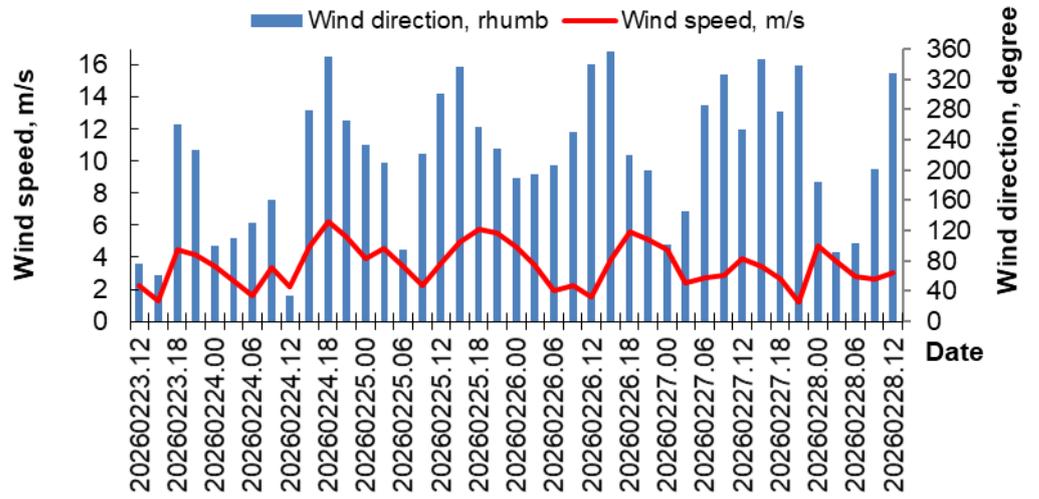


Wave condition in the Fort-Shevchenko

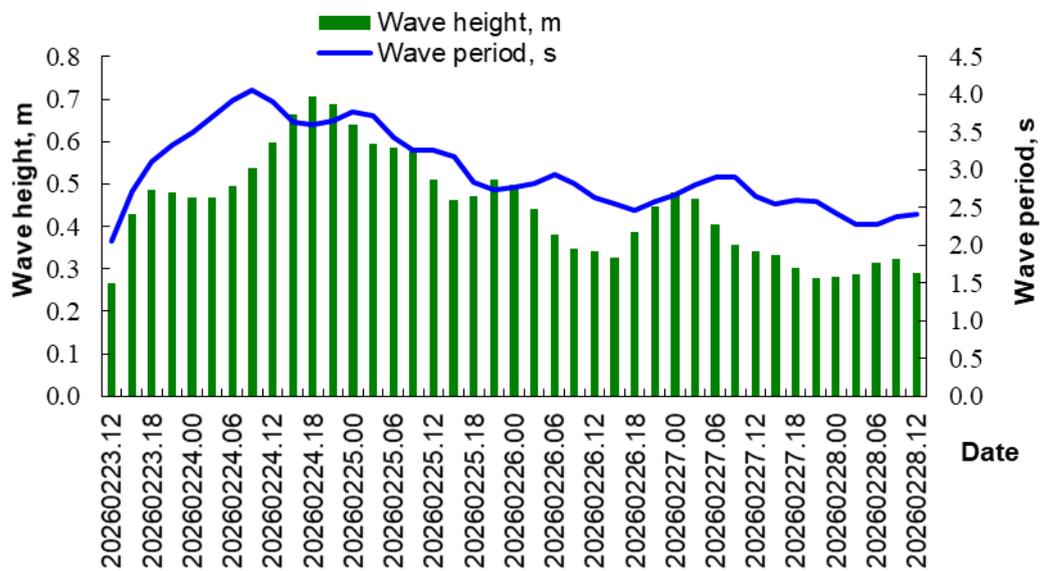


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.10	SE	1.4	2	W
20260223.15	0.14	SE	1.8	3	NW
20260223.18	0.20	S	2.0	3	SW
20260223.21	0.27	S	2.4	4	S
20260224.00	0.36	S	2.8	4	SE
20260224.03	0.47	SW	3.1	4	SE
20260224.06	0.58	SW	3.5	4	SE
20260224.09	0.67	SW	3.8	4	SE
20260224.12	0.70	SW	4.1	3	NE
20260224.15	0.69	SW	4.3	5	W
20260224.18	0.68	SW	4.3	6	N
20260224.21	0.64	SW	4.1	4	W
20260225.00	0.59	SW	4.3	2	SW
20260225.03	0.54	SW	4.2	4	S
20260225.06	0.51	SW	3.8	6	E
20260225.09	0.52	SW	3.2	5	SW
20260225.12	0.49	SW	3.1	5	NW
20260225.15	0.46	SW	3.0	6	NW
20260225.18	0.48	S	2.8	6	N
20260225.21	0.47	S	2.8	4	W
20260226.00	0.42	SW	2.9	3	E
20260226.03	0.38	SW	3.0	3	E
20260226.06	0.35	SW	3.0	1	NW
20260226.09	0.33	SW	2.8	2	W
20260226.12	0.33	SW	2.7	2	N
20260226.15	0.31	SW	2.7	6	W
20260226.18	0.38	SW	2.5	8	SW
20260226.21	0.42	SW	2.6	5	SW
20260227.00	0.40	SW	2.8	4	E
20260227.03	0.38	SW	2.8	3	E
20260227.06	0.34	SW	2.9	2	N
20260227.09	0.30	SW	3.0	1	N
20260227.12	0.28	SW	2.8	1	NW
20260227.15	0.27	SW	2.6	2	N
20260227.18	0.25	SW	2.7	2	SW
20260227.21	0.24	SW	2.6	3	SW
20260228.00	0.25	SW	2.4	5	S
20260228.03	0.26	SW	2.2	4	E
20260228.06	0.24	SW	2.2	3	NE
20260228.09	0.22	SW	2.3	3	W
20260228.12	0.22	SW	2.2	4	W

Wind condition in the Aktau

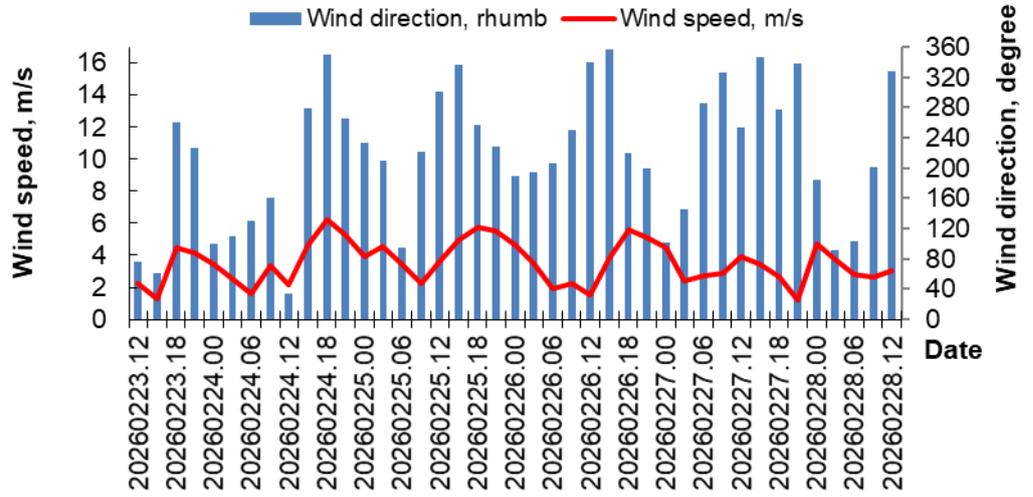


Wave condition in the Aktau

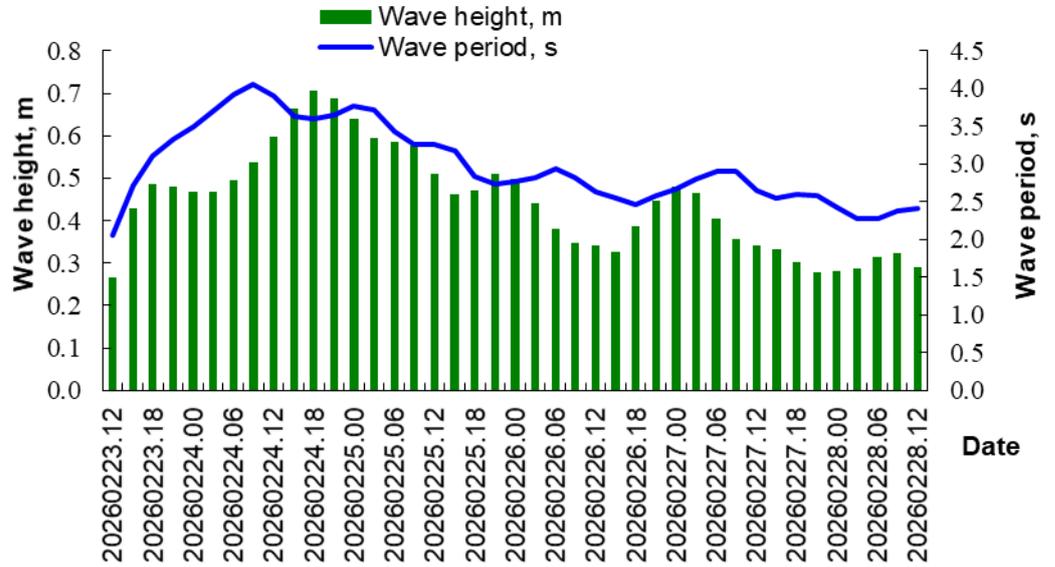


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260223.12	0.27	N	2.1	2	E
20260223.15	0.43	NE	2.7	1	NE
20260223.18	0.49	E	3.1	4	W
20260223.21	0.48	SE	3.3	4	SW
20260224.00	0.47	SE	3.5	3	E
20260224.03	0.47	S	3.7	3	E
20260224.06	0.49	S	3.9	2	SE
20260224.09	0.54	S	4.1	3	S
20260224.12	0.60	SW	3.9	2	NE
20260224.15	0.66	SW	3.6	5	W
20260224.18	0.70	SW	3.6	6	N
20260224.21	0.69	SW	3.7	5	W
20260225.00	0.64	SW	3.8	4	SW
20260225.03	0.60	SW	3.7	5	SW
20260225.06	0.59	SW	3.4	3	E
20260225.09	0.58	SW	3.3	2	SW
20260225.12	0.51	SW	3.3	4	NW
20260225.15	0.46	SW	3.2	5	NW
20260225.18	0.47	SW	2.8	6	W
20260225.21	0.51	SW	2.7	6	SW
20260226.00	0.50	SW	2.8	5	S
20260226.03	0.44	SW	2.8	3	S
20260226.06	0.38	SW	2.9	2	SW
20260226.09	0.35	SW	2.8	2	W
20260226.12	0.34	SW	2.6	2	N
20260226.15	0.33	SW	2.5	4	N
20260226.18	0.39	SW	2.5	6	SW
20260226.21	0.45	SW	2.6	5	S
20260227.00	0.48	SW	2.7	5	E
20260227.03	0.47	W	2.8	2	SE
20260227.06	0.40	W	2.9	3	W
20260227.09	0.36	W	2.9	3	NW
20260227.12	0.34	SW	2.7	4	W
20260227.15	0.33	SW	2.6	3	N
20260227.18	0.30	SW	2.6	3	W
20260227.21	0.28	SW	2.6	1	N
20260228.00	0.28	SW	2.4	5	S
20260228.03	0.29	SW	2.3	4	E
20260228.06	0.31	W	2.3	3	E
20260228.09	0.32	W	2.4	3	S
20260228.12	0.29	W	2.4	3	NW

Wind condition in the Aktau

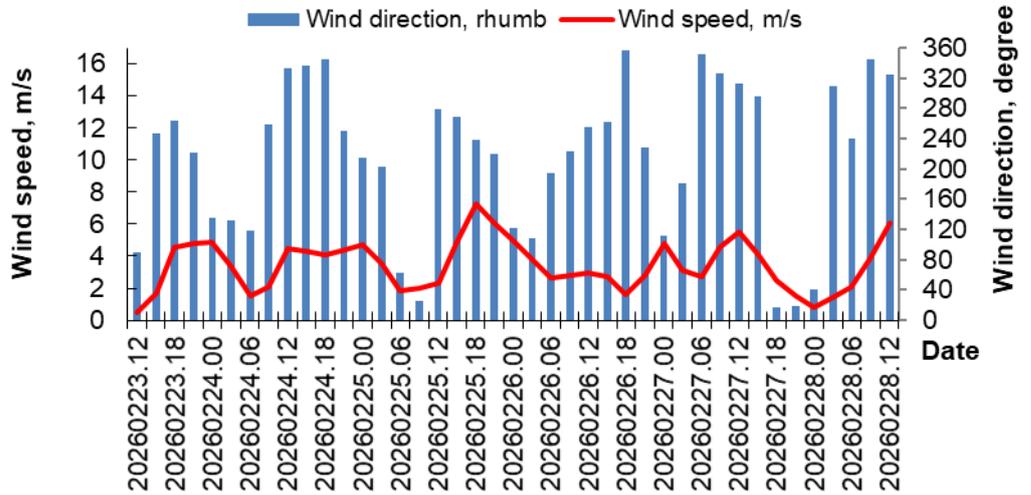


Wave condition in the Aktau

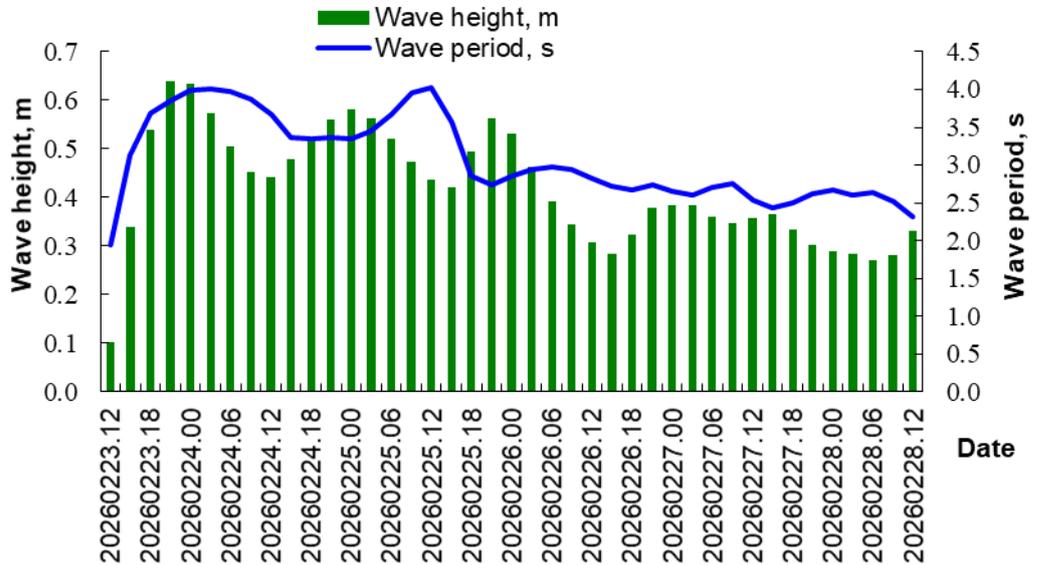


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.45	E	2.4	4	N
20260223.15	0.54	E	2.7	3	NW
20260223.18	0.53	E	2.9	6	W
20260223.21	0.48	SE	3.0	4	W
20260224.00	0.47	S	3.4	3	SE
20260224.03	0.47	S	3.7	4	E
20260224.06	0.50	S	3.5	6	E
20260224.09	0.59	SW	3.2	6	SW
20260224.12	0.67	SW	3.3	6	NW
20260224.15	0.66	SW	3.4	6	N
20260224.18	0.65	SW	3.6	4	W
20260224.21	0.64	SW	3.7	4	SW
20260225.00	0.63	SW	3.6	5	SW
20260225.03	0.60	SW	3.6	4	SW
20260225.06	0.58	SW	3.5	3	SE
20260225.09	0.58	SW	3.5	2	SE
20260225.12	0.52	SW	3.5	3	N
20260225.15	0.47	SW	3.5	5	NW
20260225.18	0.48	SW	3.0	6	SW
20260225.21	0.51	SW	2.8	5	SW
20260226.00	0.49	SW	2.8	4	SW
20260226.03	0.45	SW	2.9	4	S
20260226.06	0.40	SW	2.9	3	E
20260226.09	0.35	SW	2.9	3	S
20260226.12	0.32	SW	2.9	3	SW
20260226.15	0.29	SW	2.8	3	W
20260226.18	0.31	SW	2.6	2	NE
20260226.21	0.37	SW	2.8	4	SE
20260227.00	0.41	SW	2.7	5	E
20260227.03	0.42	SW	2.7	3	S
20260227.06	0.39	SW	2.9	4	NW
20260227.09	0.36	SW	2.9	4	NW
20260227.12	0.36	SW	2.6	4	W
20260227.15	0.36	SW	2.4	4	NW
20260227.18	0.34	SW	2.4	4	N
20260227.21	0.31	SW	2.5	3	N
20260228.00	0.29	SW	2.6	2	E
20260228.03	0.29	SW	2.6	4	S
20260228.06	0.36	SW	2.4	6	S
20260228.09	0.43	SW	2.4	5	SW
20260228.12	0.38	SW	2.5	5	NW

Wind condition in the Fetisovo

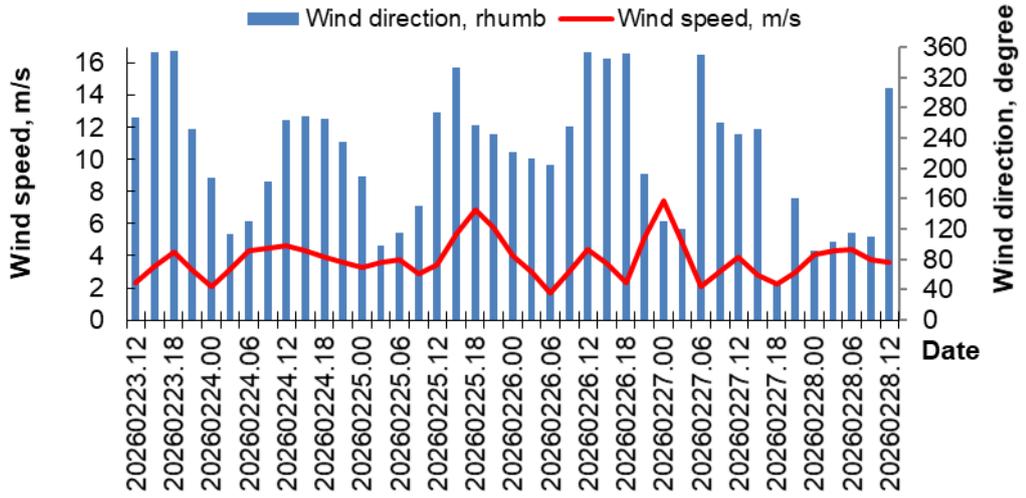


Wave condition in the Fetisovo

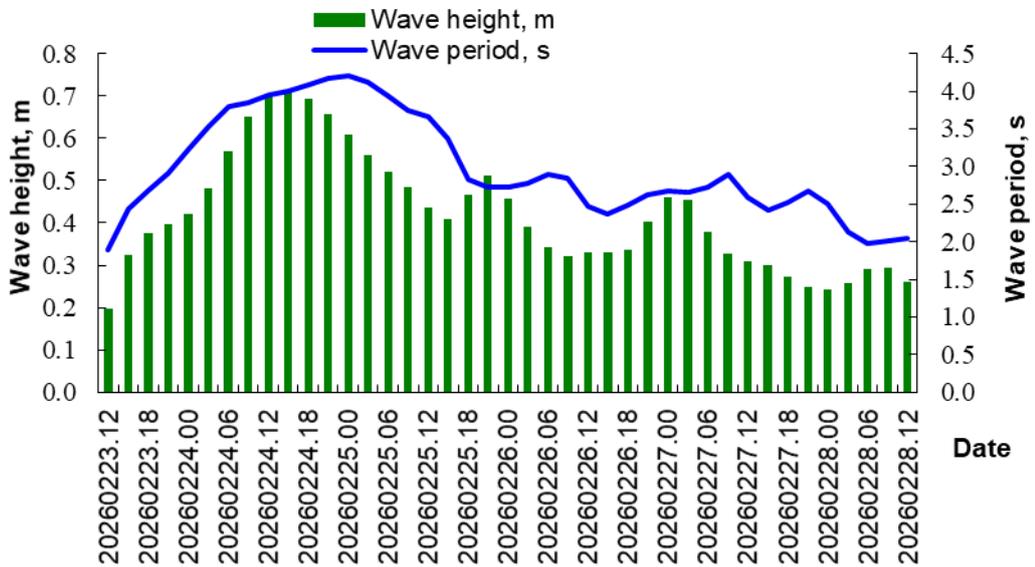


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.10	N	1.9	1	E
20260223.15	0.34	SW	3.1	2	SW
20260223.18	0.54	S	3.7	5	W
20260223.21	0.64	S	3.9	5	SW
20260224.00	0.63	S	4.0	5	SE
20260224.03	0.57	S	4.0	3	SE
20260224.06	0.50	S	4.0	1	SE
20260224.09	0.45	S	3.9	2	W
20260224.12	0.44	S	3.7	4	NW
20260224.15	0.48	SW	3.4	4	NW
20260224.18	0.52	SW	3.3	4	N
20260224.21	0.56	SW	3.4	4	W
20260225.00	0.58	SW	3.4	5	SW
20260225.03	0.56	SW	3.5	4	SW
20260225.06	0.52	W	3.7	2	NE
20260225.09	0.47	W	4.0	2	NE
20260225.12	0.44	W	4.0	2	W
20260225.15	0.42	W	3.6	5	W
20260225.18	0.49	SW	2.9	7	SW
20260225.21	0.56	SW	2.7	6	SW
20260226.00	0.53	SW	2.9	5	SE
20260226.03	0.46	W	2.9	4	E
20260226.06	0.39	W	3.0	3	S
20260226.09	0.34	W	2.9	3	SW
20260226.12	0.31	W	2.8	3	W
20260226.15	0.28	W	2.7	3	W
20260226.18	0.32	SW	2.7	2	N
20260226.21	0.38	SW	2.7	3	SW
20260227.00	0.38	SW	2.7	5	E
20260227.03	0.38	W	2.6	3	S
20260227.06	0.36	W	2.7	3	N
20260227.09	0.35	W	2.8	5	NW
20260227.12	0.36	SW	2.5	6	NW
20260227.15	0.37	SW	2.4	4	NW
20260227.18	0.33	SW	2.5	2	N
20260227.21	0.30	SW	2.6	2	N
20260228.00	0.29	SW	2.7	1	NE
20260228.03	0.28	SW	2.6	1	NW
20260228.06	0.27	W	2.6	2	SW
20260228.09	0.28	W	2.5	4	N
20260228.12	0.33	SW	2.3	6	NW

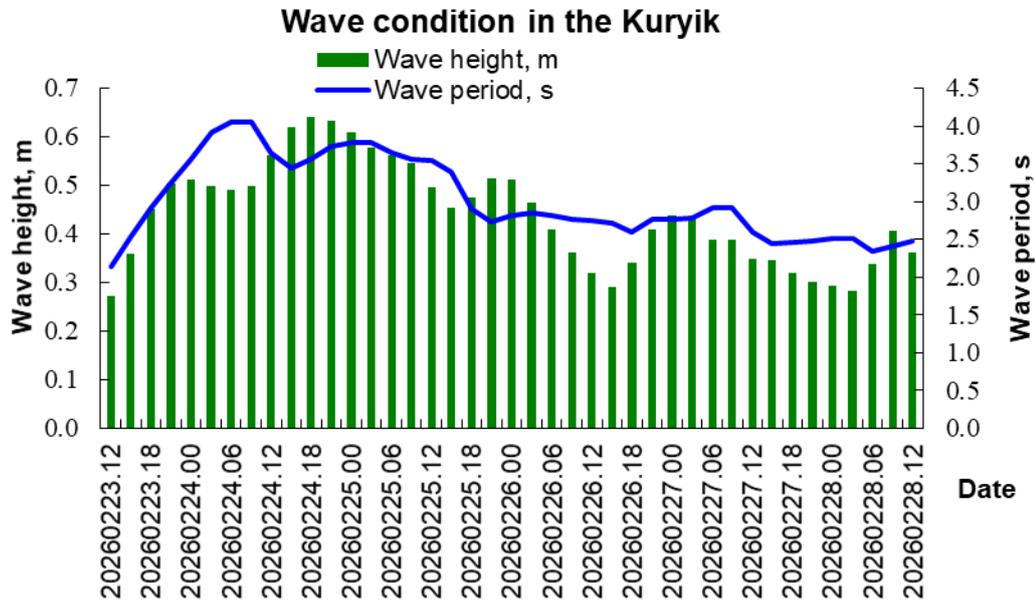
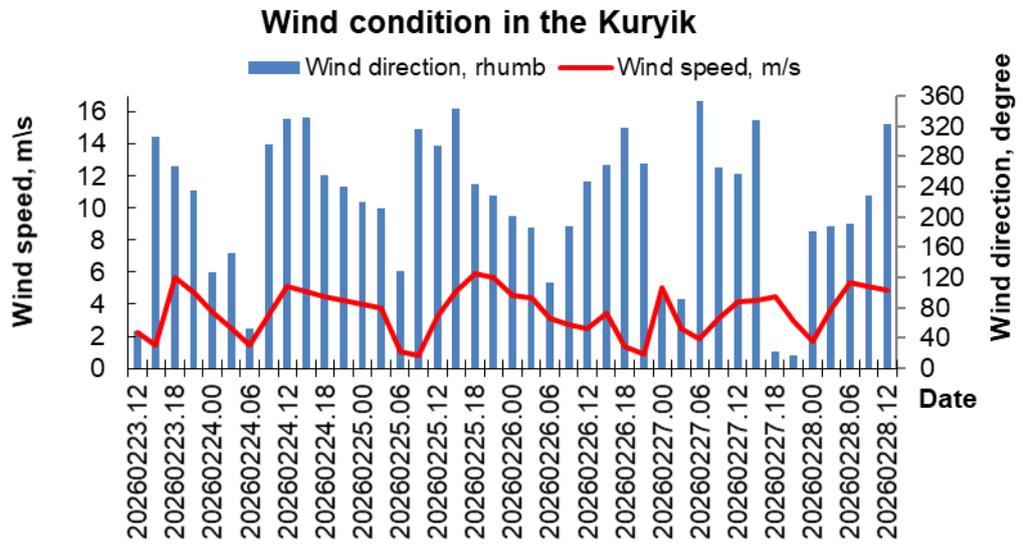
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.20	S	1.9	2	W
20260223.15	0.32	S	2.4	3	N
20260223.18	0.38	S	2.7	4	N
20260223.21	0.40	SE	2.9	3	W
20260224.00	0.42	S	3.2	2	S
20260224.03	0.48	S	3.5	3	SE
20260224.06	0.57	SW	3.8	4	SE
20260224.09	0.65	SW	3.8	4	S
20260224.12	0.70	SW	4.0	5	W
20260224.15	0.71	SW	4.0	4	W
20260224.18	0.69	SW	4.1	4	W
20260224.21	0.66	SW	4.2	4	SW
20260225.00	0.61	SW	4.2	3	S
20260225.03	0.56	SW	4.1	4	E
20260225.06	0.52	SW	3.9	4	SE
20260225.09	0.48	SW	3.8	3	SE
20260225.12	0.44	SW	3.7	3	W
20260225.15	0.41	SW	3.4	5	NW
20260225.18	0.47	SW	2.8	7	W
20260225.21	0.51	SW	2.7	6	SW
20260226.00	0.46	SW	2.7	4	SW
20260226.03	0.39	SW	2.8	3	SW
20260226.06	0.34	SW	2.9	2	SW
20260226.09	0.32	SW	2.8	3	W
20260226.12	0.33	SW	2.5	4	N
20260226.15	0.33	SW	2.4	4	N
20260226.18	0.34	SW	2.5	2	N
20260226.21	0.40	SW	2.6	5	S
20260227.00	0.46	W	2.7	7	SE
20260227.03	0.46	W	2.7	5	SE
20260227.06	0.38	W	2.7	2	N
20260227.09	0.33	W	2.9	3	W
20260227.12	0.31	SW	2.6	4	SW
20260227.15	0.30	SW	2.4	3	W
20260227.18	0.27	SW	2.5	2	NE
20260227.21	0.25	SW	2.7	3	S
20260228.00	0.24	SW	2.5	4	E
20260228.03	0.26	SW	2.1	4	E
20260228.06	0.29	W	2.0	4	SE
20260228.09	0.29	W	2.0	4	E
20260228.12	0.26	W	2.0	4	NW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260223.12	0.27	N	2.1	2	NE
20260223.15	0.36	NE	2.5	1	NW
20260223.18	0.45	SE	2.9	6	W
20260223.21	0.50	S	3.2	5	SW
20260224.00	0.51	S	3.6	4	SE
20260224.03	0.50	S	3.9	2	SE
20260224.06	0.49	S	4.1	1	NE
20260224.09	0.50	S	4.1	3	NW
20260224.12	0.56	S	3.7	5	NW
20260224.15	0.62	SW	3.4	5	NW
20260224.18	0.64	SW	3.6	4	W
20260224.21	0.63	SW	3.7	4	SW
20260225.00	0.61	SW	3.8	4	SW
20260225.03	0.58	SW	3.8	4	SW
20260225.06	0.56	SW	3.7	1	SE
20260225.09	0.55	SW	3.6	1	NW
20260225.12	0.50	W	3.5	3	NW
20260225.15	0.45	SW	3.4	5	N
20260225.18	0.47	SW	2.9	6	SW
20260225.21	0.51	SW	2.7	6	SW
20260226.00	0.51	SW	2.8	5	S
20260226.03	0.46	SW	2.8	4	S
20260226.06	0.41	SW	2.8	3	SE
20260226.09	0.36	SW	2.8	3	S
20260226.12	0.32	SW	2.7	2	SW
20260226.15	0.29	SW	2.7	3	W
20260226.18	0.34	SW	2.6	1	NW
20260226.21	0.41	SW	2.8	1	W
20260227.00	0.44	SW	2.8	5	E
20260227.03	0.43	W	2.8	2	E
20260227.06	0.39	W	2.9	2	N
20260227.09	0.39	W	2.9	3	W
20260227.12	0.35	SW	2.6	4	W
20260227.15	0.35	SW	2.4	4	NW
20260227.18	0.32	SW	2.5	4	N
20260227.21	0.30	SW	2.5	3	N
20260228.00	0.29	SW	2.5	2	S
20260228.03	0.28	SW	2.5	4	S
20260228.06	0.34	W	2.3	5	S
20260228.09	0.41	W	2.4	5	SW
20260228.12	0.36	SW	2.5	5	NW

**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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