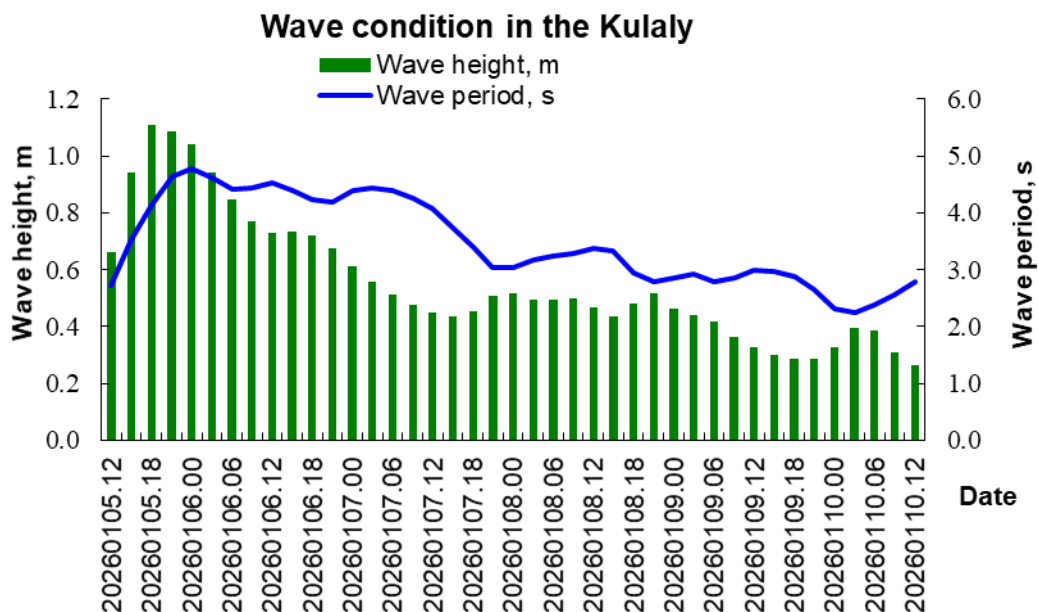
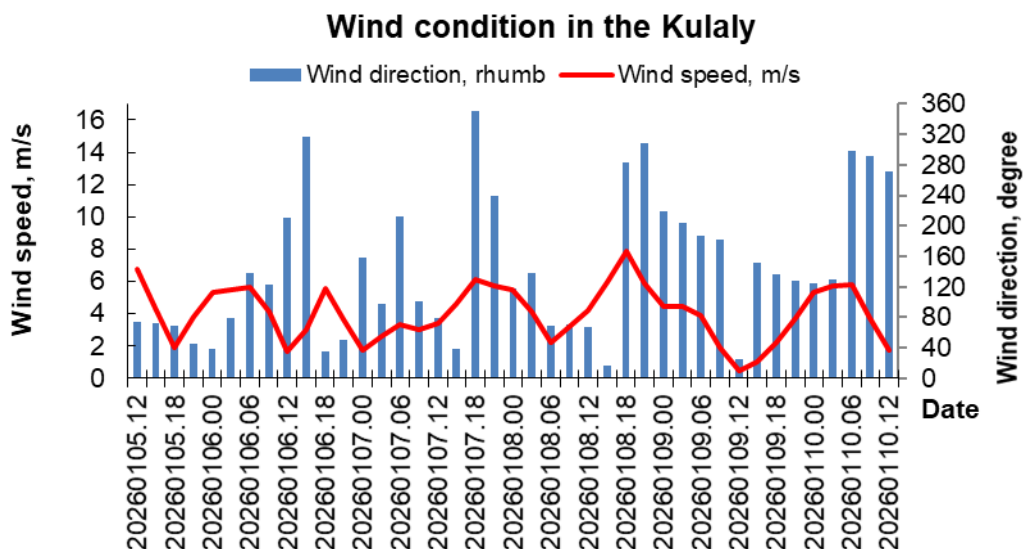




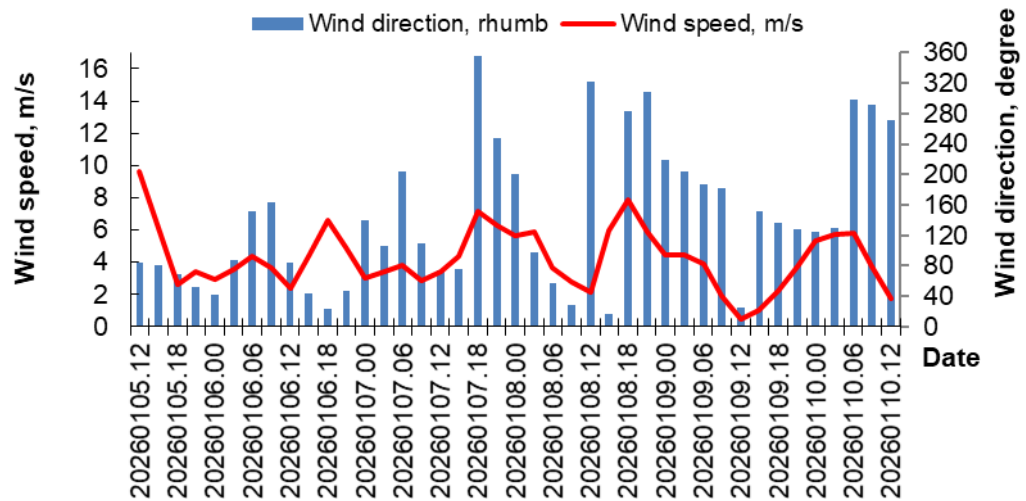
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period January 05 – 10, 2026 .**

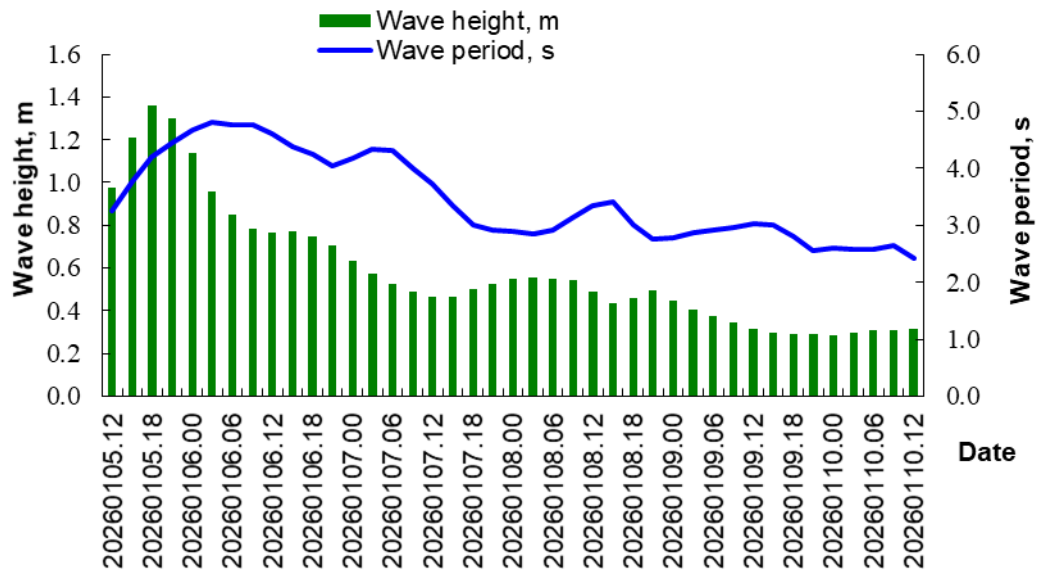


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260105.12	0.66	N	2.7	7	E
20260105.15	0.94	N	3.5	4	E
20260105.18	1.11	N	4.1	2	E
20260105.21	1.09	N	4.6	4	NE
20260106.00	1.04	N	4.8	5	NE
20260106.03	0.94	N	4.6	5	E
20260106.06	0.85	N	4.4	6	SE
20260106.09	0.77	N	4.4	4	SE
20260106.12	0.73	NE	4.5	2	SW
20260106.15	0.73	NE	4.4	3	NW
20260106.18	0.72	NE	4.2	6	NE
20260106.21	0.67	NE	4.2	4	NE
20260107.00	0.61	NE	4.4	2	S
20260107.03	0.56	NE	4.4	3	E
20260107.06	0.51	NE	4.4	3	SW
20260107.09	0.47	NE	4.3	3	E
20260107.12	0.45	E	4.1	3	E
20260107.15	0.44	E	3.7	5	NE
20260107.18	0.45	E	3.4	6	N
20260107.21	0.51	E	3.0	6	SW
20260108.00	0.52	SE	3.0	5	SE
20260108.03	0.49	SE	3.2	4	SE
20260108.06	0.50	S	3.2	2	E
20260108.09	0.50	S	3.3	3	E
20260108.12	0.47	SW	3.4	4	NE
20260108.15	0.44	S	3.3	6	N
20260108.18	0.48	E	2.9	8	W
20260108.21	0.52	E	2.8	6	NW
20260109.00	0.46	SE	2.9	4	SW
20260109.03	0.44	S	2.9	4	SW
20260109.06	0.42	SW	2.8	4	S
20260109.09	0.37	SW	2.9	2	S
20260109.12	0.33	SW	3.0	0	NE
20260109.15	0.30	SW	3.0	1	SE
20260109.18	0.29	SW	2.9	2	SE
20260109.21	0.29	SW	2.6	4	SE
20260110.00	0.33	W	2.3	5	SE
20260110.03	0.39	NW	2.2	6	SE
20260110.06	0.39	NW	2.4	6	NW
20260110.09	0.31	NW	2.6	4	W
20260110.12	0.27	W	2.8	2	W

Wind condition in the Fort-Shevchenko

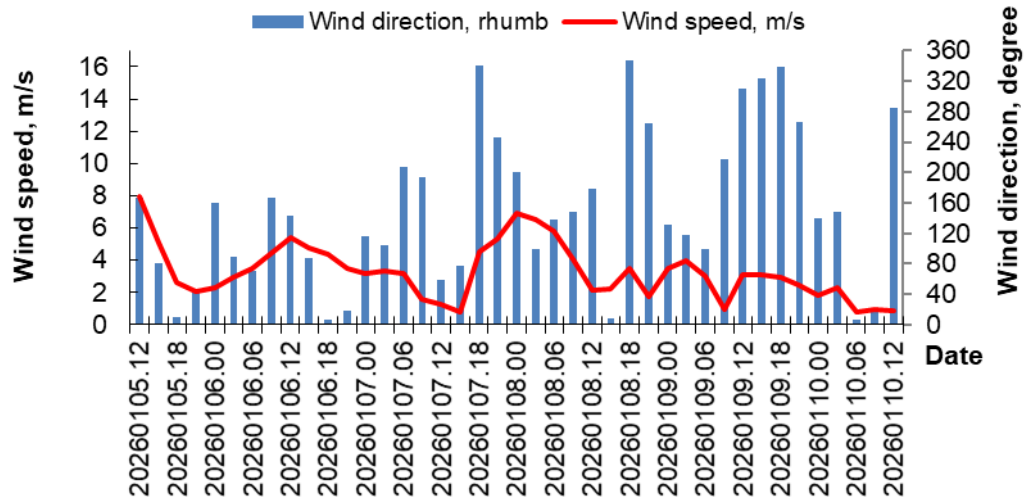


Wave condition in the Fort-Shevchenko

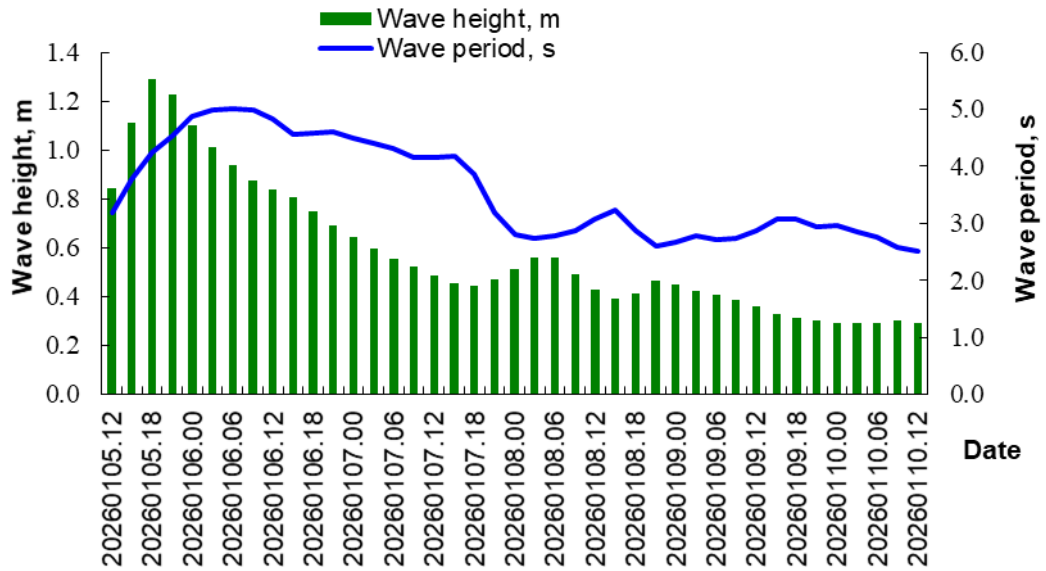


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260105.12	0.98	N	3.2	10	E
20260105.15	1.21	N	3.8	6	E
20260105.18	1.36	N	4.2	3	E
20260105.21	1.30	N	4.5	3	NE
20260106.00	1.14	N	4.7	3	NE
20260106.03	0.96	N	4.8	4	E
20260106.06	0.85	N	4.8	4	SE
20260106.09	0.78	NE	4.8	4	S
20260106.12	0.77	NE	4.6	2	E
20260106.15	0.77	NE	4.4	4	NE
20260106.18	0.75	NE	4.2	7	NE
20260106.21	0.71	NE	4.0	5	NE
20260107.00	0.64	NE	4.2	3	SE
20260107.03	0.57	NE	4.3	3	E
20260107.06	0.52	NE	4.3	4	SW
20260107.09	0.49	NE	4.0	3	E
20260107.12	0.47	NE	3.7	3	E
20260107.15	0.46	NE	3.3	4	E
20260107.18	0.50	NE	3.0	7	N
20260107.21	0.53	E	2.9	6	W
20260108.00	0.55	SE	2.9	6	S
20260108.03	0.55	S	2.9	6	E
20260108.06	0.55	SW	2.9	4	NE
20260108.09	0.54	SW	3.1	3	NE
20260108.12	0.49	SW	3.3	2	NW
20260108.15	0.43	SW	3.4	6	N
20260108.18	0.46	S	3.0	8	W
20260108.21	0.50	SE	2.7	6	NW
20260109.00	0.45	SE	2.8	4	SW
20260109.03	0.41	S	2.9	4	SW
20260109.06	0.38	SW	2.9	4	S
20260109.09	0.34	SW	3.0	2	S
20260109.12	0.32	SW	3.0	0	NE
20260109.15	0.30	SW	3.0	1	SE
20260109.18	0.29	SW	2.8	2	SE
20260109.21	0.29	S	2.6	4	SE
20260110.00	0.28	S	2.6	5	SE
20260110.03	0.30	W	2.6	6	SE
20260110.06	0.31	W	2.6	6	NW
20260110.09	0.31	W	2.7	4	W
20260110.12	0.31	SE	2.4	2	W

Wind condition in the Aktau

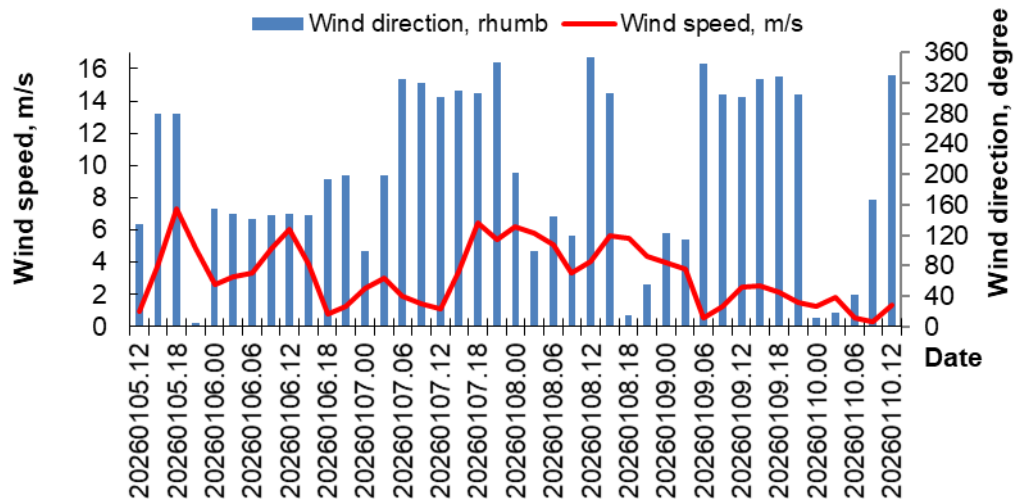


Wave condition in the Aktau

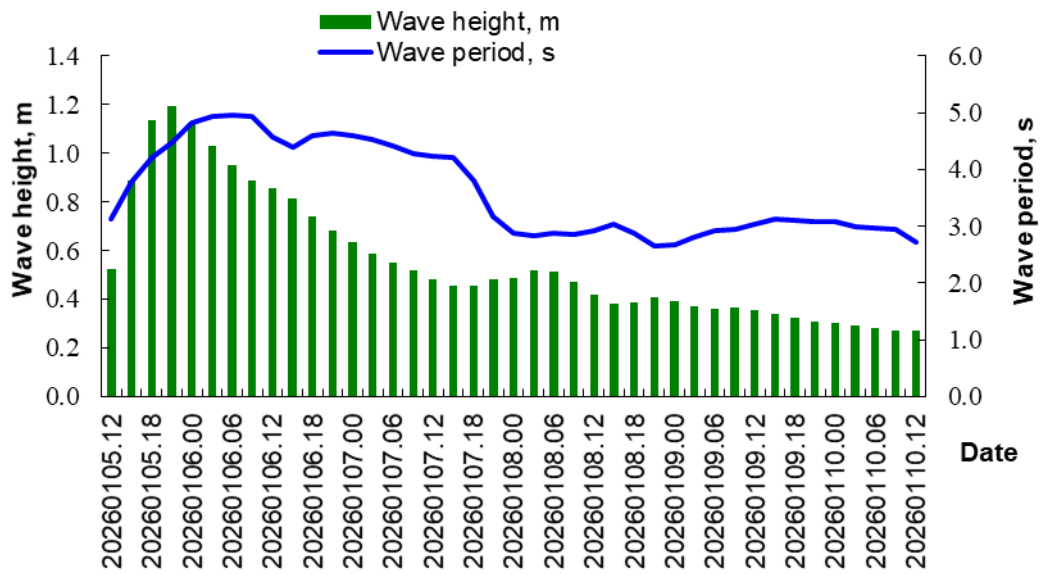


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260105.12	0.84	N	3.2	8	S
20260105.15	1.11	N	3.8	5	E
20260105.18	1.29	N	4.2	3	N
20260105.21	1.23	N	4.5	2	NE
20260106.00	1.10	N	4.9	2	S
20260106.03	1.01	N	5.0	3	E
20260106.06	0.94	NE	5.0	3	E
20260106.09	0.88	NE	5.0	4	S
20260106.12	0.84	NE	4.8	5	SE
20260106.15	0.81	NE	4.6	5	E
20260106.18	0.75	NE	4.6	4	N
20260106.21	0.69	NE	4.6	3	N
20260107.00	0.64	NE	4.5	3	SE
20260107.03	0.60	NE	4.4	3	E
20260107.06	0.56	NE	4.3	3	SW
20260107.09	0.52	NE	4.2	2	S
20260107.12	0.49	NE	4.2	1	NE
20260107.15	0.45	NE	4.2	1	E
20260107.18	0.44	NE	3.9	5	N
20260107.21	0.47	E	3.2	5	SW
20260108.00	0.51	SE	2.8	7	S
20260108.03	0.56	SW	2.7	7	E
20260108.06	0.56	W	2.8	6	SE
20260108.09	0.49	W	2.9	4	SE
20260108.12	0.43	W	3.1	2	S
20260108.15	0.39	W	3.2	2	N
20260108.18	0.41	W	2.9	3	N
20260108.21	0.46	SW	2.6	2	W
20260109.00	0.45	SW	2.7	4	SE
20260109.03	0.42	W	2.8	4	SE
20260109.06	0.41	W	2.7	3	E
20260109.09	0.39	W	2.7	1	SW
20260109.12	0.36	W	2.9	3	NW
20260109.15	0.33	W	3.1	3	NW
20260109.18	0.31	W	3.1	3	N
20260109.21	0.30	SW	2.9	2	W
20260110.00	0.29	S	3.0	2	SE
20260110.03	0.29	SW	2.8	2	SE
20260110.06	0.29	W	2.8	1	N
20260110.09	0.30	NW	2.6	1	N
20260110.12	0.29	NW	2.5	1	W

Wind condition in the Peschanyi

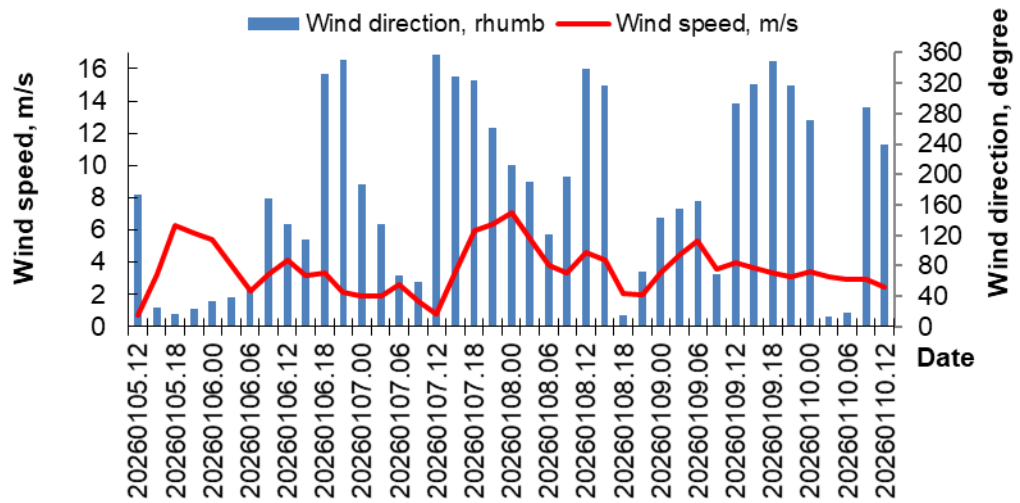


Wave condition in the Peschanyi

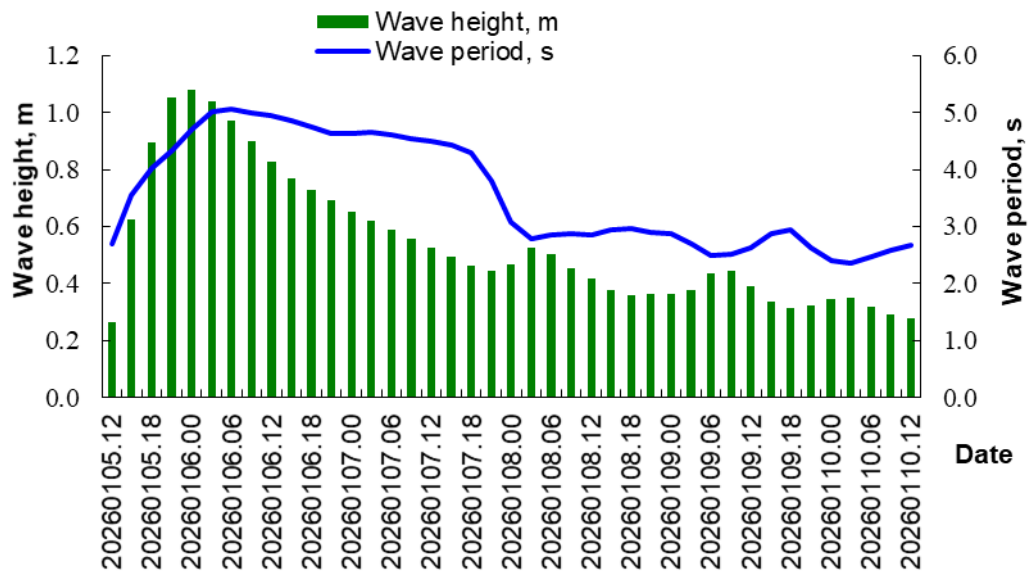


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260105.12	0.52	N	3.1	1	SE
20260105.15	0.89	N	3.8	4	W
20260105.18	1.14	N	4.2	7	W
20260105.21	1.19	N	4.5	5	N
20260106.00	1.12	N	4.8	3	SE
20260106.03	1.03	NE	4.9	3	SE
20260106.06	0.95	NE	5.0	3	SE
20260106.09	0.89	NE	4.9	5	SE
20260106.12	0.86	NE	4.6	6	SE
20260106.15	0.81	NE	4.4	4	SE
20260106.18	0.74	NE	4.6	1	S
20260106.21	0.68	NE	4.6	1	S
20260107.00	0.63	NE	4.6	2	E
20260107.03	0.59	NE	4.5	3	S
20260107.06	0.55	NE	4.4	2	NW
20260107.09	0.52	NE	4.3	1	NW
20260107.12	0.48	NE	4.2	1	NW
20260107.15	0.45	NE	4.2	3	NW
20260107.18	0.45	E	3.8	6	NW
20260107.21	0.48	E	3.2	5	N
20260108.00	0.49	E	2.9	6	S
20260108.03	0.52	W	2.8	6	E
20260108.06	0.51	W	2.9	5	SE
20260108.09	0.47	W	2.9	3	SE
20260108.12	0.42	W	2.9	4	N
20260108.15	0.38	W	3.0	6	NW
20260108.18	0.38	SW	2.9	5	N
20260108.21	0.41	S	2.7	4	NE
20260109.00	0.39	W	2.7	4	SE
20260109.03	0.37	W	2.8	4	SE
20260109.06	0.36	W	2.9	1	N
20260109.09	0.36	W	2.9	1	NW
20260109.12	0.35	W	3.0	2	NW
20260109.15	0.34	W	3.1	3	NW
20260109.18	0.32	W	3.1	2	NW
20260109.21	0.31	SW	3.1	2	NW
20260110.00	0.30	SW	3.1	1	N
20260110.03	0.29	S	3.0	2	N
20260110.06	0.28	S	3.0	1	NE
20260110.09	0.27	S	2.9	0	S
20260110.12	0.27	SE	2.7	1	NW

Wind condition in the Fetisovo

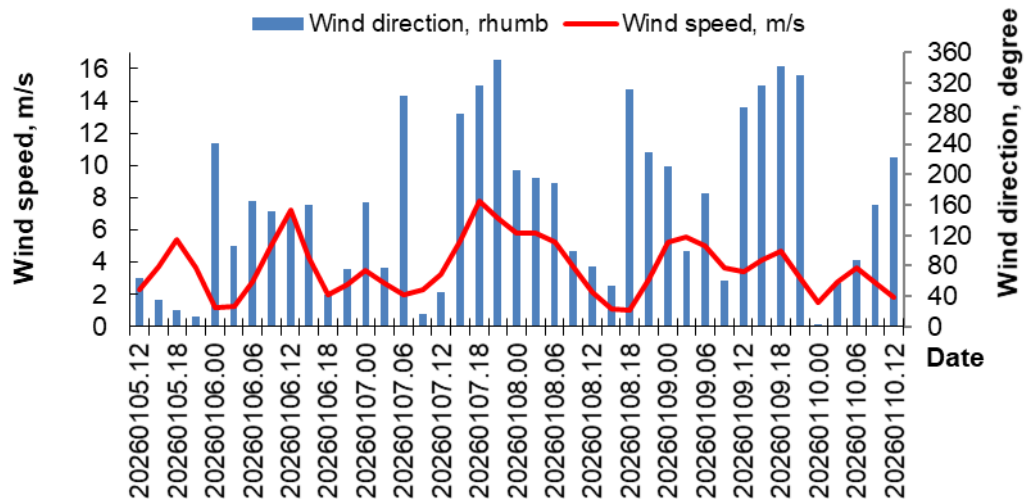


Wave condition in the Fetisovo

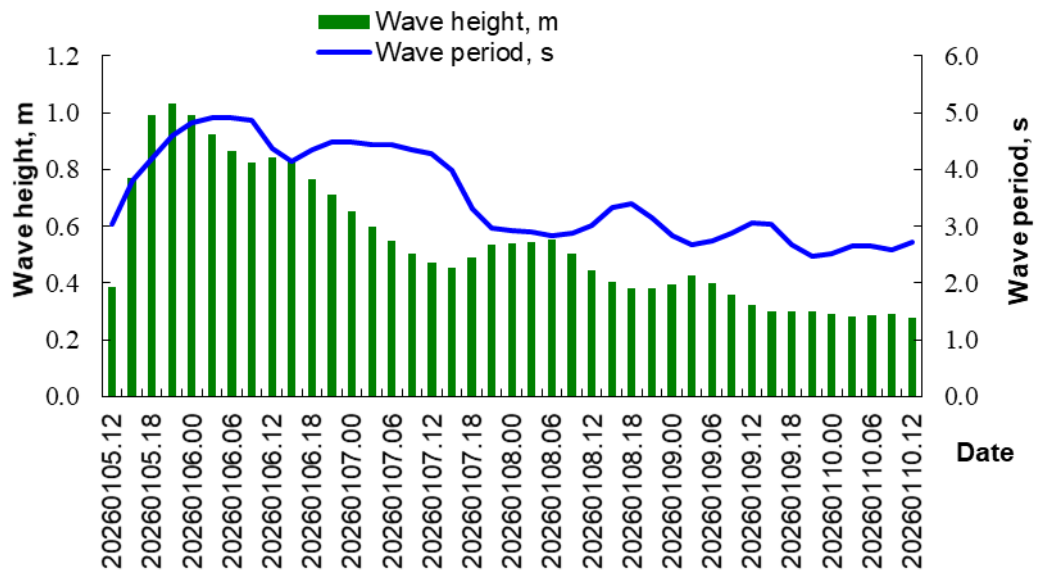


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260105.12	0.26	NW	2.7	1	S
20260105.15	0.63	N	3.5	3	NE
20260105.18	0.90	N	4.0	6	N
20260105.21	1.05	NE	4.3	6	NE
20260106.00	1.08	NE	4.7	5	NE
20260106.03	1.04	NE	5.0	4	NE
20260106.06	0.97	NE	5.1	2	NE
20260106.09	0.90	NE	5.0	3	S
20260106.12	0.83	NE	5.0	4	SE
20260106.15	0.77	NE	4.9	3	SE
20260106.18	0.73	NE	4.7	3	NW
20260106.21	0.69	NE	4.6	2	N
20260107.00	0.65	NE	4.6	2	S
20260107.03	0.62	NE	4.6	2	SE
20260107.06	0.59	NE	4.6	3	NE
20260107.09	0.56	NE	4.6	2	NE
20260107.12	0.53	NE	4.5	1	N
20260107.15	0.49	NE	4.4	3	NW
20260107.18	0.46	NE	4.3	6	NW
20260107.21	0.45	NE	3.8	6	W
20260108.00	0.47	NE	3.1	7	SW
20260108.03	0.52	W	2.8	6	S
20260108.06	0.50	W	2.9	4	SE
20260108.09	0.45	NW	2.9	3	S
20260108.12	0.42	NW	2.9	5	N
20260108.15	0.37	NW	2.9	4	NW
20260108.18	0.36	NW	3.0	2	N
20260108.21	0.37	W	2.9	2	E
20260109.00	0.36	SW	2.9	3	SE
20260109.03	0.38	NW	2.7	4	SE
20260109.06	0.43	NW	2.5	5	S
20260109.09	0.44	NW	2.5	4	E
20260109.12	0.39	NW	2.6	4	NW
20260109.15	0.34	NW	2.9	4	NW
20260109.18	0.32	W	2.9	3	N
20260109.21	0.32	SW	2.6	3	NW
20260110.00	0.35	SE	2.4	3	W
20260110.03	0.35	E	2.4	3	N
20260110.06	0.32	NE	2.5	3	N
20260110.09	0.29	S	2.6	3	W
20260110.12	0.28	S	2.7	2	SW

Wind condition in the Saura

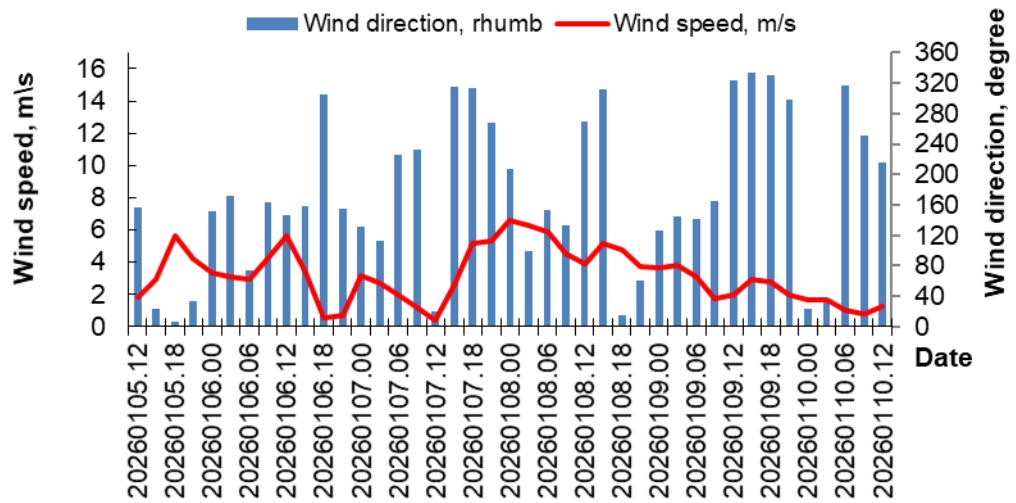


Wave condition in the Saura

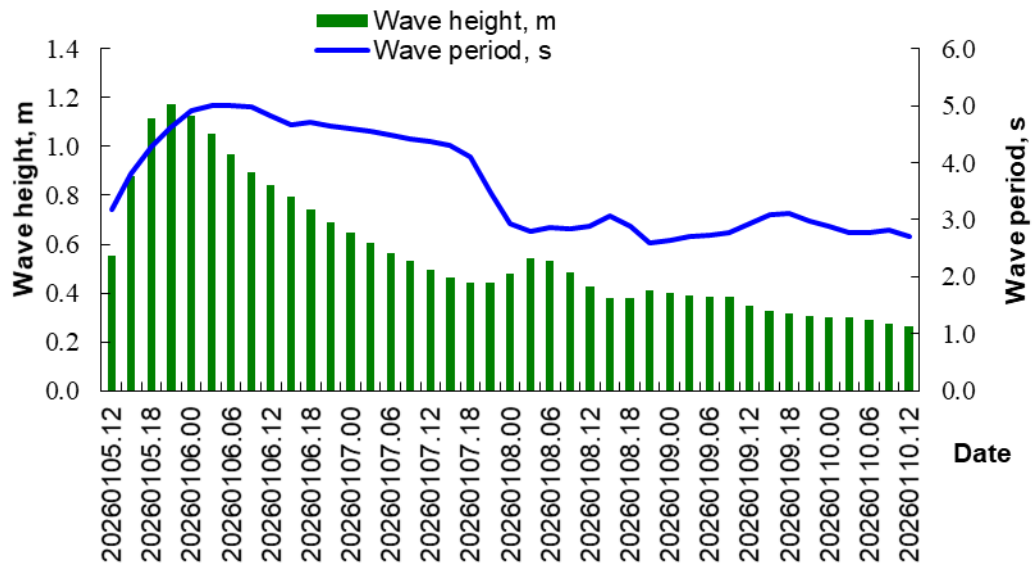


Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260105.12	0.39	N	3.0	2	NE
20260105.15	0.77	N	3.8	4	NE
20260105.18	0.99	N	4.2	5	N
20260105.21	1.03	N	4.6	4	N
20260106.00	0.99	N	4.8	1	SW
20260106.03	0.92	N	4.9	1	E
20260106.06	0.87	NE	4.9	3	S
20260106.09	0.83	NE	4.9	5	SE
20260106.12	0.84	NE	4.4	7	SE
20260106.15	0.83	NE	4.1	4	S
20260106.18	0.77	NE	4.3	2	NE
20260106.21	0.71	NE	4.5	3	E
20260107.00	0.65	NE	4.5	4	S
20260107.03	0.60	NE	4.4	3	E
20260107.06	0.55	NE	4.4	2	NW
20260107.09	0.51	NE	4.4	2	N
20260107.12	0.47	NE	4.3	3	NE
20260107.15	0.45	NE	4.0	5	W
20260107.18	0.49	E	3.3	8	NW
20260107.21	0.54	E	3.0	7	N
20260108.00	0.54	SE	2.9	6	SW
20260108.03	0.54	S	2.9	6	S
20260108.06	0.55	SW	2.8	5	S
20260108.09	0.50	SW	2.9	4	E
20260108.12	0.45	SW	3.0	2	E
20260108.15	0.40	SW	3.3	1	NE
20260108.18	0.38	SW	3.4	1	NW
20260108.21	0.38	S	3.2	3	SW
20260109.00	0.40	S	2.8	5	SW
20260109.03	0.43	SW	2.7	6	E
20260109.06	0.40	SW	2.7	5	S
20260109.09	0.36	SW	2.9	4	NE
20260109.12	0.32	SW	3.1	3	W
20260109.15	0.30	SW	3.0	4	NW
20260109.18	0.30	S	2.7	5	N
20260109.21	0.30	S	2.5	3	NW
20260110.00	0.29	S	2.5	1	N
20260110.03	0.28	S	2.7	3	NE
20260110.06	0.29	SW	2.7	4	E
20260110.09	0.29	W	2.6	3	S
20260110.12	0.28	W	2.7	2	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
20260105.12	0.55	N	3.2	2	SE
20260105.15	0.88	N	3.8	3	NE
20260105.18	1.11	N	4.3	6	N
20260105.21	1.17	N	4.6	4	NE
20260106.00	1.13	N	4.9	3	SE
20260106.03	1.05	NE	5.0	3	S
20260106.06	0.97	NE	5.0	3	E
20260106.09	0.90	NE	5.0	4	S
20260106.12	0.84	NE	4.8	6	SE
20260106.15	0.80	NE	4.7	3	S
20260106.18	0.74	NE	4.7	1	NW
20260106.21	0.69	NE	4.6	1	SE
20260107.00	0.65	NE	4.6	3	SE
20260107.03	0.60	NE	4.6	3	SE
20260107.06	0.56	NE	4.5	2	SW
20260107.09	0.53	NE	4.4	1	SW
20260107.12	0.50	NE	4.4	0	N
20260107.15	0.46	NE	4.3	3	NW
20260107.18	0.44	NE	4.1	5	NW
20260107.21	0.44	E	3.5	5	W
20260108.00	0.48	E	2.9	7	SW
20260108.03	0.54	W	2.8	6	E
20260108.06	0.53	W	2.9	6	SE
20260108.09	0.48	NW	2.9	4	SE
20260108.12	0.43	NW	2.9	4	W
20260108.15	0.38	W	3.1	5	NW
20260108.18	0.38	W	2.9	5	N
20260108.21	0.41	NE	2.6	4	NE
20260109.00	0.40	NW	2.6	4	SE
20260109.03	0.39	W	2.7	4	SE
20260109.06	0.38	W	2.7	3	SE
20260109.09	0.38	W	2.8	2	S
20260109.12	0.35	W	2.9	2	NW
20260109.15	0.33	W	3.1	3	NW
20260109.18	0.32	W	3.1	3	NW
20260109.21	0.31	SW	3.0	2	NW
20260110.00	0.30	SW	2.9	2	NE
20260110.03	0.30	W	2.8	2	NE
20260110.06	0.29	NW	2.8	1	NW
20260110.09	0.28	SE	2.8	1	W
20260110.12	0.27	SE	2.7	1	SW

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

Compiled by: Bazarbay L.B.

Checked by: Shishkina G.M.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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