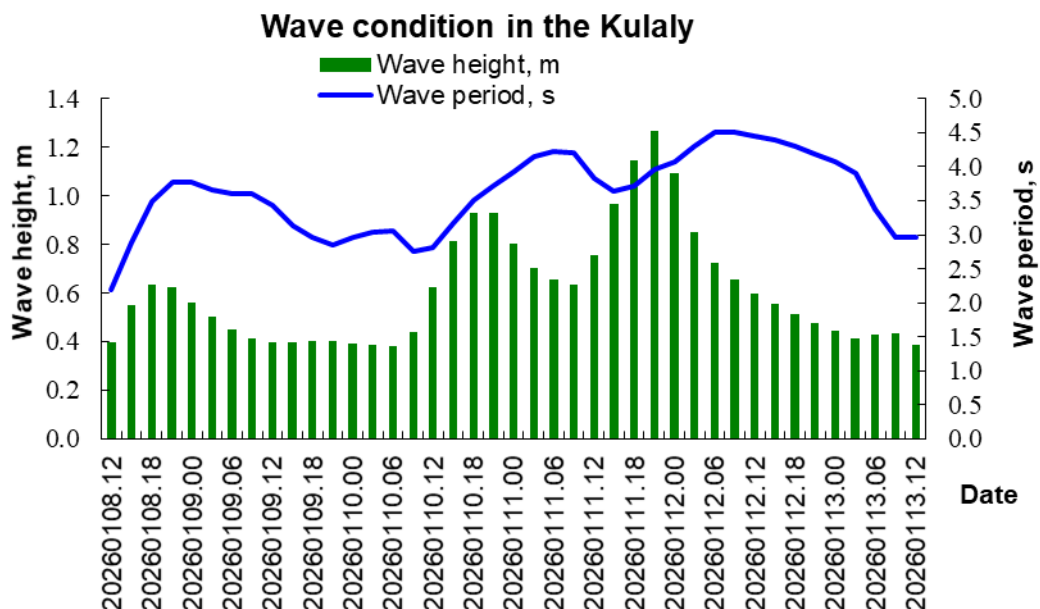
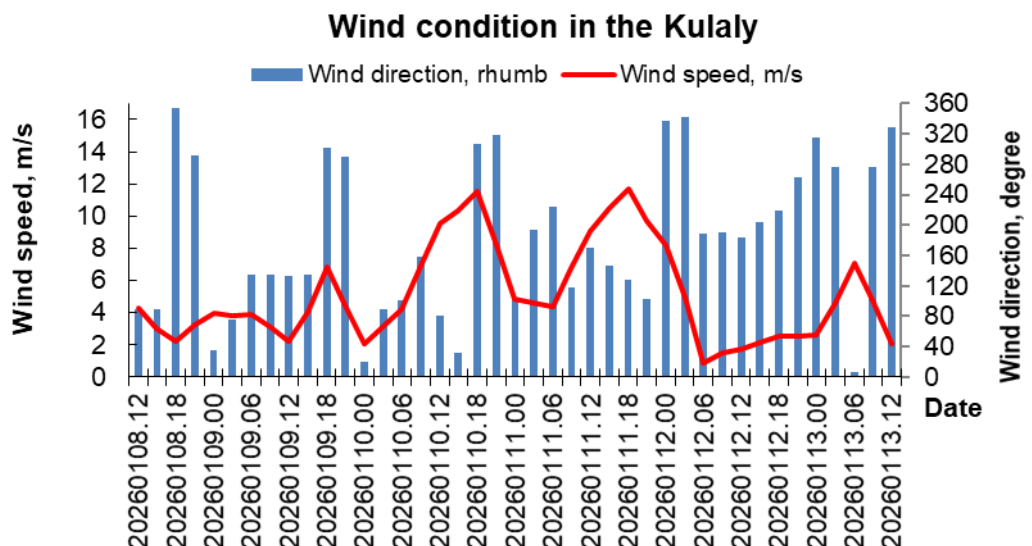




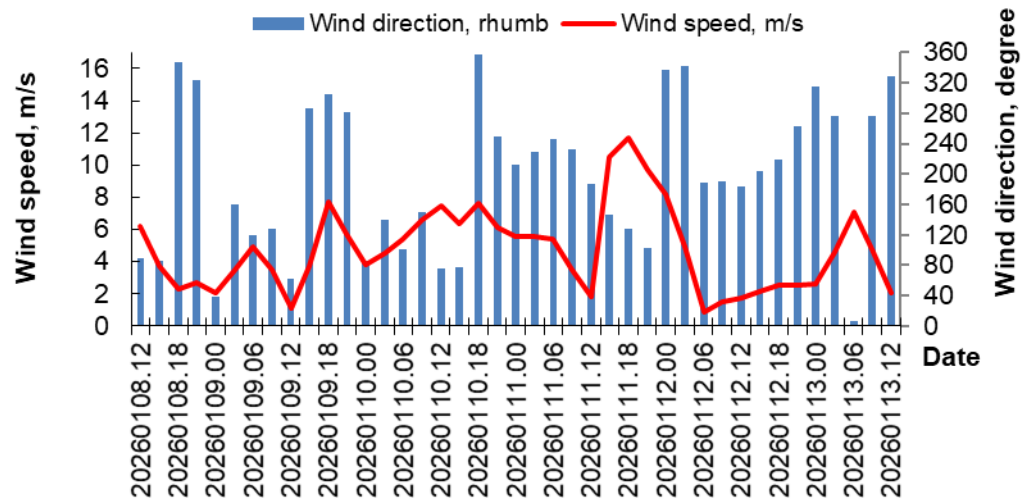
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 08 – 13, 2026 .**

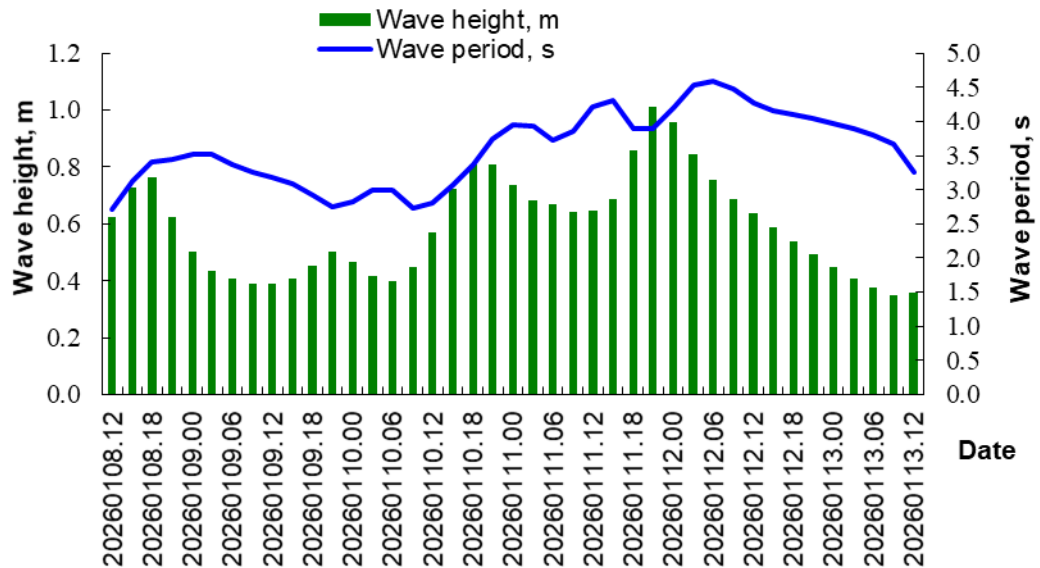


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260108.12	0.40	N	2.2	4	E
20260108.15	0.55	N	2.9	3	E
20260108.18	0.63	N	3.5	2	N
20260108.21	0.62	N	3.8	3	W
20260109.00	0.56	N	3.8	4	NE
20260109.03	0.50	N	3.7	4	E
20260109.06	0.45	N	3.6	4	SE
20260109.09	0.41	N	3.6	3	SE
20260109.12	0.40	N	3.4	2	SE
20260109.15	0.40	N	3.1	4	SE
20260109.18	0.40	N	3.0	7	NW
20260109.21	0.40	NE	2.8	4	W
20260110.00	0.39	NE	3.0	2	N
20260110.03	0.39	NE	3.0	3	E
20260110.06	0.38	NE	3.1	4	E
20260110.09	0.44	N	2.7	7	S
20260110.12	0.62	N	2.8	10	E
20260110.15	0.82	NE	3.2	10	NE
20260110.18	0.93	NE	3.5	12	NW
20260110.21	0.93	E	3.7	8	NW
20260111.00	0.80	E	3.9	5	E
20260111.03	0.70	E	4.2	5	S
20260111.06	0.65	E	4.2	4	SW
20260111.09	0.64	E	4.2	7	SE
20260111.12	0.75	NE	3.8	9	S
20260111.15	0.96	N	3.6	10	SE
20260111.18	1.15	N	3.7	12	SE
20260111.21	1.27	NW	4.0	10	E
20260112.00	1.09	NW	4.1	8	NW
20260112.03	0.85	N	4.3	5	N
20260112.06	0.73	NE	4.5	1	S
20260112.09	0.65	NE	4.5	2	S
20260112.12	0.60	NE	4.4	2	S
20260112.15	0.55	E	4.4	2	SW
20260112.18	0.51	E	4.3	3	SW
20260112.21	0.48	E	4.2	3	W
20260113.00	0.44	E	4.1	3	NW
20260113.03	0.41	E	3.9	5	W
20260113.06	0.43	E	3.4	7	N
20260113.09	0.43	E	3.0	5	W
20260113.12	0.39	E	3.0	2	NW

Wind condition in the Fort-Shevchenko

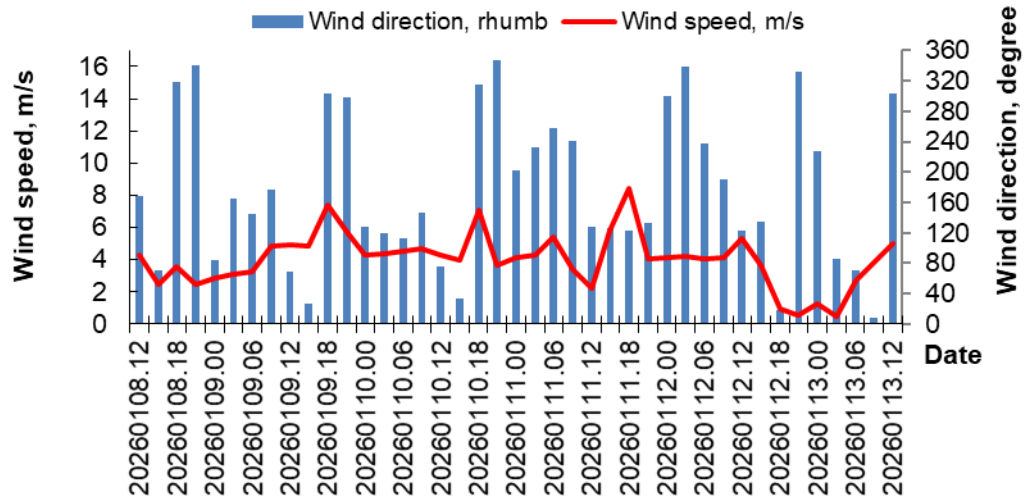


Wave condition in the Fort-Shevchenko

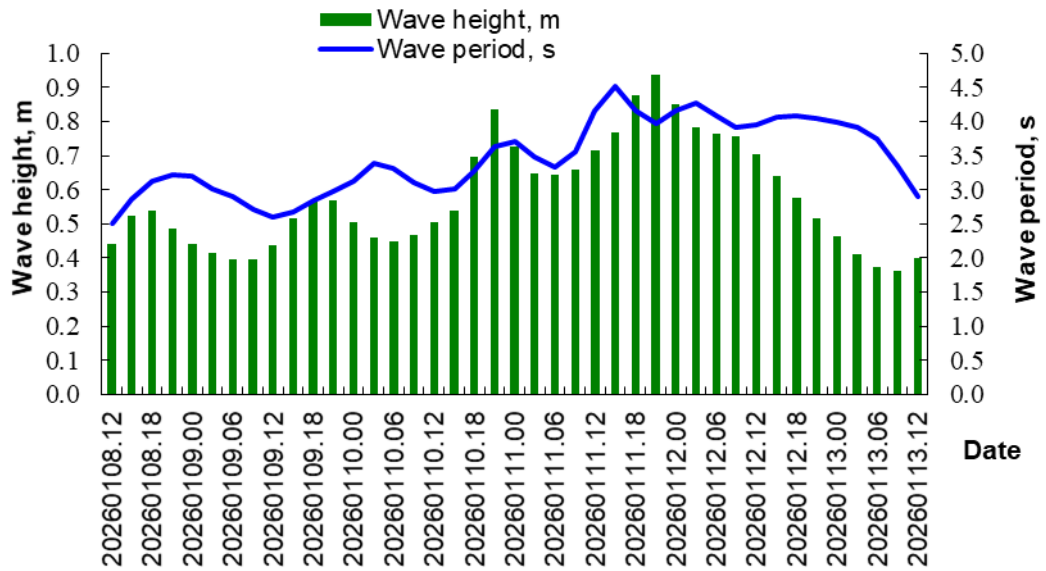


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260108.12	0.63	N	2.7	6	E
20260108.15	0.73	N	3.1	4	E
20260108.18	0.76	N	3.4	2	N
20260108.21	0.62	N	3.4	3	NW
20260109.00	0.50	N	3.5	2	NE
20260109.03	0.44	N	3.5	4	S
20260109.06	0.41	N	3.4	5	SE
20260109.09	0.39	N	3.2	3	SE
20260109.12	0.39	N	3.2	1	NE
20260109.15	0.41	N	3.1	4	W
20260109.18	0.45	N	2.9	8	NW
20260109.21	0.50	E	2.8	6	W
20260110.00	0.47	E	2.8	4	E
20260110.03	0.42	E	3.0	5	SE
20260110.06	0.40	NE	3.0	5	E
20260110.09	0.45	N	2.7	7	SE
20260110.12	0.57	N	2.8	8	E
20260110.15	0.72	N	3.1	6	E
20260110.18	0.81	NE	3.4	8	N
20260110.21	0.81	E	3.7	6	W
20260111.00	0.73	E	4.0	6	SW
20260111.03	0.68	E	3.9	6	SW
20260111.06	0.67	E	3.7	5	SW
20260111.09	0.64	E	3.9	3	SW
20260111.12	0.65	E	4.2	2	S
20260111.15	0.69	NE	4.3	10	SE
20260111.18	0.86	N	3.9	12	SE
20260111.21	1.01	N	3.9	10	E
20260112.00	0.96	N	4.2	8	NW
20260112.03	0.84	N	4.5	5	N
20260112.06	0.76	N	4.6	1	S
20260112.09	0.69	NE	4.5	2	S
20260112.12	0.64	NE	4.3	2	S
20260112.15	0.59	E	4.2	2	SW
20260112.18	0.54	E	4.1	3	SW
20260112.21	0.49	E	4.0	3	W
20260113.00	0.45	E	4.0	3	NW
20260113.03	0.41	E	3.9	5	W
20260113.06	0.37	E	3.8	7	N
20260113.09	0.35	E	3.7	5	W
20260113.12	0.36	SE	3.3	2	NW

Wind condition in the Aktau

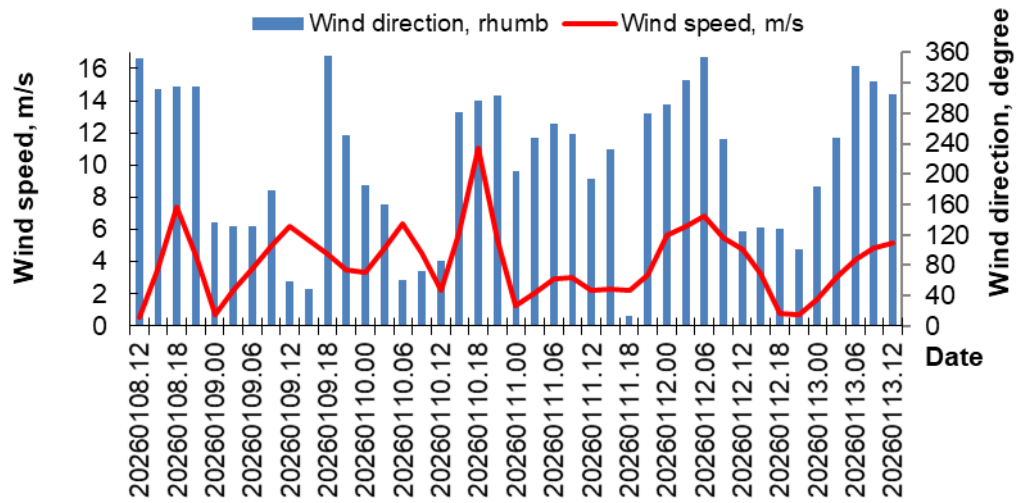


Wave condition in the Aktau

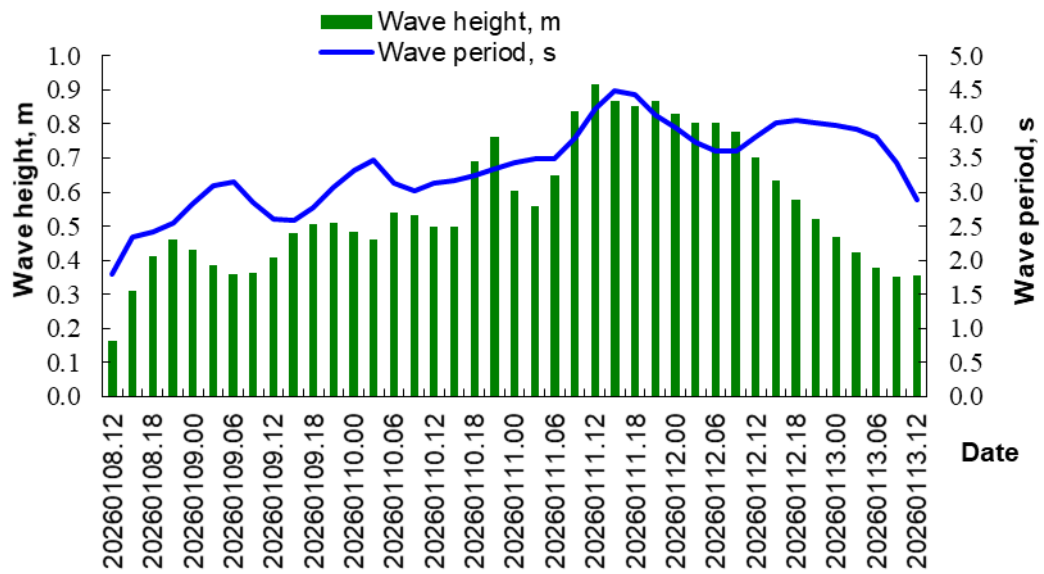


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260108.12	0.44	N	2.5	4	S
20260108.15	0.52	N	2.9	2	E
20260108.18	0.54	N	3.1	4	NW
20260108.21	0.48	N	3.2	2	N
20260109.00	0.44	N	3.2	3	E
20260109.03	0.42	N	3.0	3	S
20260109.06	0.39	N	2.9	3	SE
20260109.09	0.40	N	2.7	5	S
20260109.12	0.44	N	2.6	5	E
20260109.15	0.52	N	2.7	5	NE
20260109.18	0.57	NE	2.8	7	NW
20260109.21	0.57	E	3.0	6	NW
20260110.00	0.51	E	3.1	4	SE
20260110.03	0.46	E	3.4	4	SE
20260110.06	0.45	NE	3.3	5	SE
20260110.09	0.47	NE	3.1	5	SE
20260110.12	0.51	NE	3.0	4	E
20260110.15	0.54	NE	3.0	4	NE
20260110.18	0.70	E	3.3	7	NW
20260110.21	0.84	E	3.6	4	N
20260111.00	0.73	E	3.7	4	S
20260111.03	0.65	E	3.5	4	SW
20260111.06	0.64	E	3.3	5	W
20260111.09	0.66	E	3.6	3	SW
20260111.12	0.72	E	4.2	2	SE
20260111.15	0.77	E	4.5	6	SE
20260111.18	0.88	NE	4.2	8	SE
20260111.21	0.94	N	4.0	4	SE
20260112.00	0.85	NE	4.2	4	NW
20260112.03	0.78	NE	4.3	4	N
20260112.06	0.77	NE	4.1	4	SW
20260112.09	0.76	E	3.9	4	S
20260112.12	0.70	SE	4.0	5	SE
20260112.15	0.64	SE	4.1	4	SE
20260112.18	0.58	SE	4.1	1	N
20260112.21	0.52	SE	4.0	1	NW
20260113.00	0.46	SE	4.0	1	SW
20260113.03	0.41	SE	3.9	0	E
20260113.06	0.37	E	3.8	3	E
20260113.09	0.36	E	3.4	4	N
20260113.12	0.40	E	2.9	5	NW

Wind condition in the Peschanyi

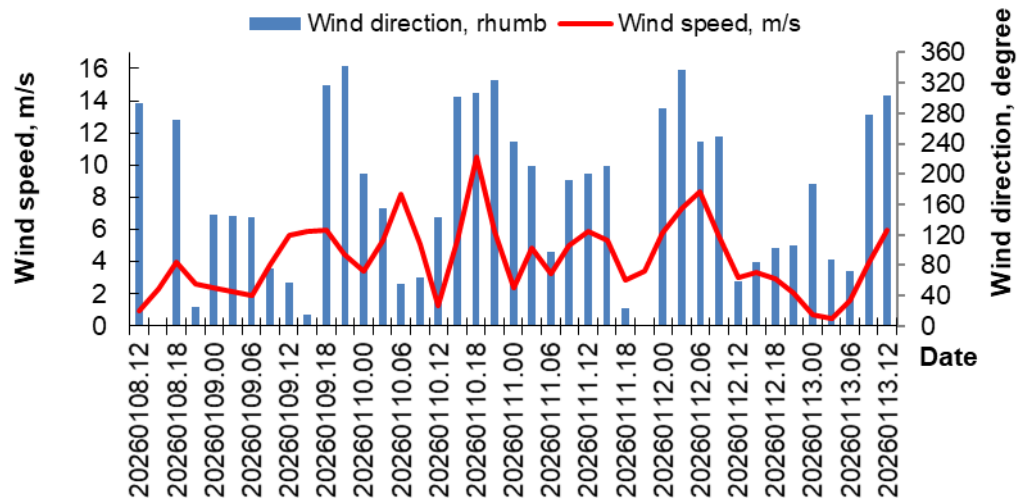


Wave condition in the Peschanyi

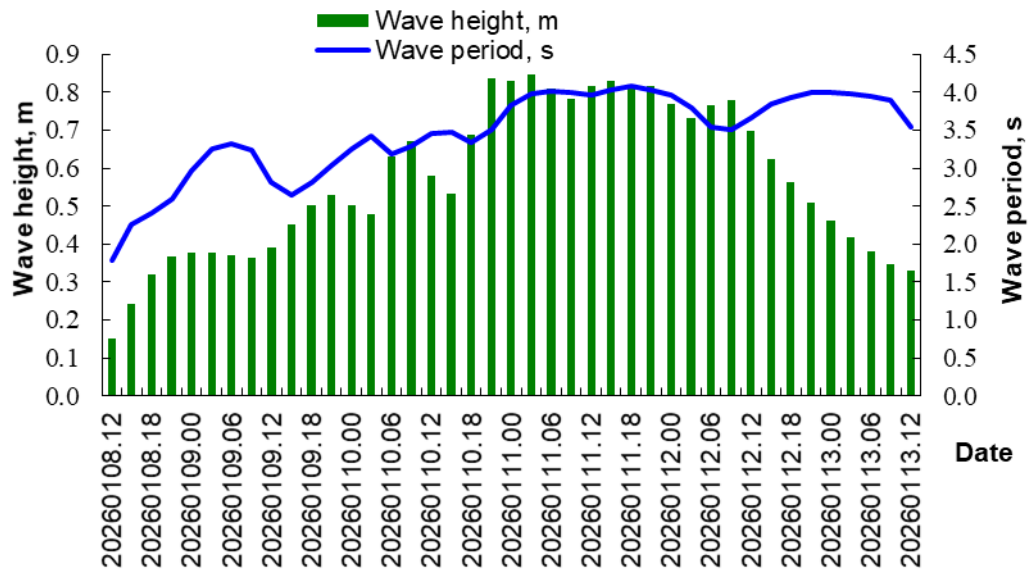


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260108.12	0.16	N	1.8	1	N
20260108.15	0.31	NW	2.3	3	NW
20260108.18	0.41	N	2.4	7	NW
20260108.21	0.46	E	2.6	4	NW
20260109.00	0.43	E	2.8	1	SE
20260109.03	0.39	NE	3.1	2	SE
20260109.06	0.36	N	3.2	4	SE
20260109.09	0.36	N	2.9	5	S
20260109.12	0.41	N	2.6	6	NE
20260109.15	0.48	N	2.6	5	NE
20260109.18	0.51	NE	2.8	4	N
20260109.21	0.51	E	3.1	3	W
20260110.00	0.48	E	3.3	3	S
20260110.03	0.46	E	3.5	5	S
20260110.06	0.54	NE	3.1	6	NE
20260110.09	0.53	NE	3.0	5	E
20260110.12	0.50	NE	3.1	2	E
20260110.15	0.50	NE	3.2	6	W
20260110.18	0.69	E	3.3	11	NW
20260110.21	0.76	E	3.3	5	NW
20260111.00	0.60	E	3.4	1	SW
20260111.03	0.56	E	3.5	2	SW
20260111.06	0.65	E	3.5	3	W
20260111.09	0.84	SE	3.8	3	W
20260111.12	0.92	E	4.2	2	S
20260111.15	0.87	E	4.5	2	SW
20260111.18	0.85	E	4.4	2	N
20260111.21	0.87	E	4.1	3	W
20260112.00	0.83	E	3.9	6	W
20260112.03	0.81	E	3.7	6	NW
20260112.06	0.81	E	3.6	7	N
20260112.09	0.78	SE	3.6	6	SW
20260112.12	0.70	SE	3.8	5	SE
20260112.15	0.63	SE	4.0	3	SE
20260112.18	0.58	S	4.0	1	SE
20260112.21	0.52	S	4.0	1	E
20260113.00	0.47	S	4.0	2	S
20260113.03	0.42	SW	3.9	3	W
20260113.06	0.38	SW	3.8	4	N
20260113.09	0.35	S	3.4	5	NW
20260113.12	0.35	SE	2.9	5	NW

Wind condition in the Fetisovo

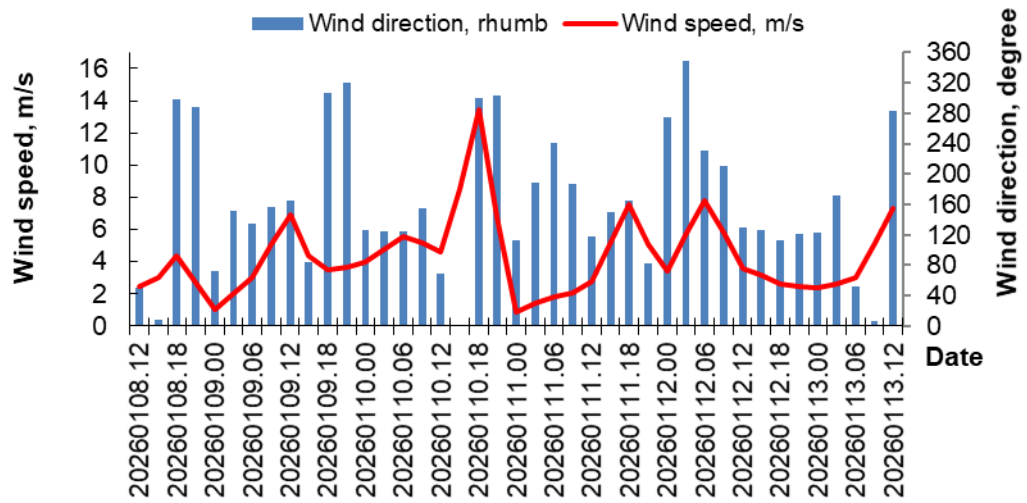


Wave condition in the Fetisovo

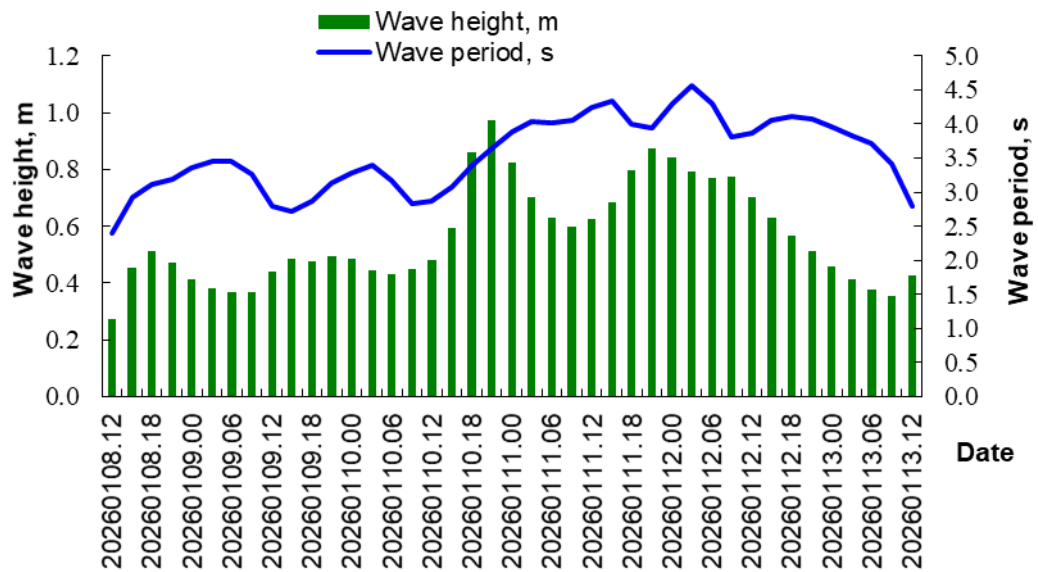


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260108.12	0.15	N	1.8	1	NW
20260108.15	0.24	NW	2.3	2	N
20260108.18	0.32	N	2.4	4	W
20260108.21	0.37	N	2.6	3	NE
20260109.00	0.38	N	3.0	2	SE
20260109.03	0.38	N	3.3	2	SE
20260109.06	0.37	N	3.3	2	SE
20260109.09	0.36	N	3.2	4	E
20260109.12	0.39	N	2.8	6	NE
20260109.15	0.45	NE	2.6	6	N
20260109.18	0.50	NE	2.8	6	NW
20260109.21	0.53	E	3.0	4	N
20260110.00	0.50	E	3.3	3	S
20260110.03	0.48	E	3.4	5	SE
20260110.06	0.63	NE	3.2	8	NE
20260110.09	0.67	NE	3.3	5	NE
20260110.12	0.58	NE	3.5	1	SE
20260110.15	0.53	NE	3.5	5	NW
20260110.18	0.69	E	3.3	11	NW
20260110.21	0.84	E	3.5	6	NW
20260111.00	0.83	NE	3.8	2	SW
20260111.03	0.85	N	4.0	5	SW
20260111.06	0.81	N	4.0	3	E
20260111.09	0.78	NE	4.0	5	S
20260111.12	0.82	E	4.0	6	S
20260111.15	0.83	E	4.0	5	SW
20260111.18	0.82	E	4.1	3	NE
20260111.21	0.82	NE	4.0	3	N
20260112.00	0.77	NE	4.0	6	W
20260112.03	0.73	NE	3.8	7	NW
20260112.06	0.77	SE	3.5	8	SW
20260112.09	0.78	S	3.5	6	W
20260112.12	0.70	SW	3.7	3	NE
20260112.15	0.63	SW	3.8	3	E
20260112.18	0.56	W	3.9	3	E
20260112.21	0.51	W	4.0	2	E
20260113.00	0.46	NW	4.0	1	S
20260113.03	0.42	NW	4.0	0	E
20260113.06	0.38	NW	4.0	2	E
20260113.09	0.35	N	3.9	4	W
20260113.12	0.33	N	3.5	6	NW

Wind condition in the Saura

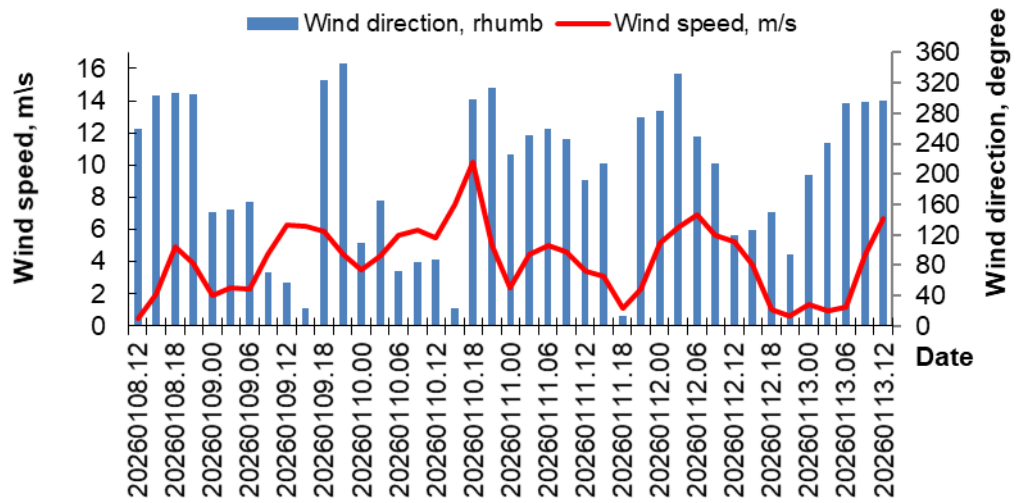


Wave condition in the Saura

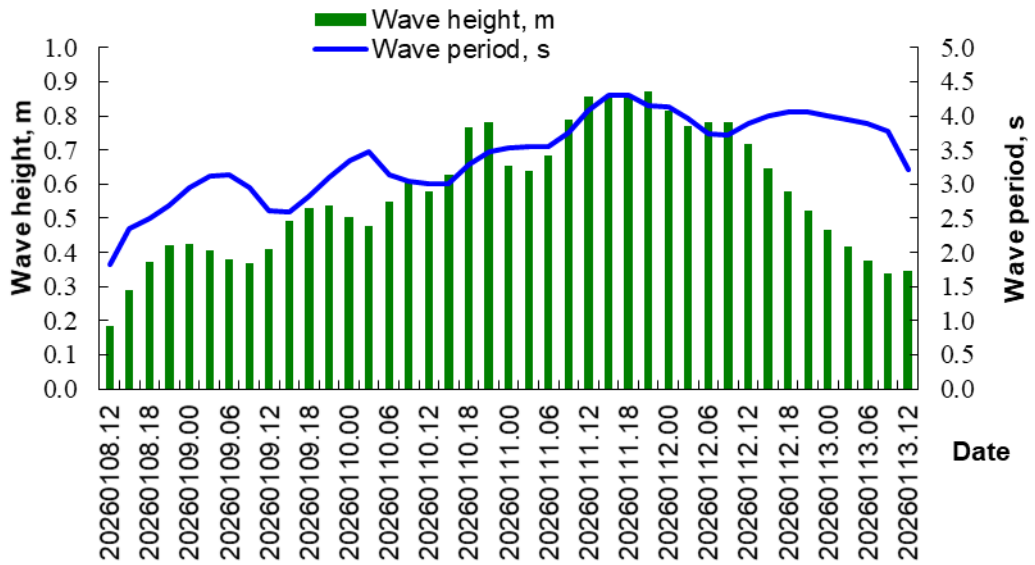


Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260108.12	0.27	N	2.4	2	NE
20260108.15	0.45	N	2.9	3	N
20260108.18	0.51	N	3.1	4	NW
20260108.21	0.47	N	3.2	3	W
20260109.00	0.41	N	3.4	1	E
20260109.03	0.38	N	3.5	2	SE
20260109.06	0.37	N	3.5	3	SE
20260109.09	0.37	N	3.3	5	SE
20260109.12	0.44	N	2.8	7	S
20260109.15	0.48	N	2.7	4	E
20260109.18	0.48	N	2.9	3	NW
20260109.21	0.50	NE	3.1	4	NW
20260110.00	0.49	E	3.3	4	SE
20260110.03	0.45	E	3.4	5	SE
20260110.06	0.43	NE	3.2	6	SE
20260110.09	0.45	NE	2.8	5	SE
20260110.12	0.48	N	2.9	5	E
20260110.15	0.59	NE	3.1	9	N
20260110.18	0.86	E	3.4	13	NW
20260110.21	0.97	E	3.6	7	NW
20260111.00	0.83	E	3.9	1	SE
20260111.03	0.70	E	4.0	1	S
20260111.06	0.63	E	4.0	2	SW
20260111.09	0.60	E	4.1	2	S
20260111.12	0.63	E	4.2	3	SE
20260111.15	0.69	E	4.3	5	SE
20260111.18	0.80	NE	4.0	8	S
20260111.21	0.87	NE	3.9	5	E
20260112.00	0.84	N	4.3	3	W
20260112.03	0.79	N	4.6	6	N
20260112.06	0.77	NE	4.3	8	SW
20260112.09	0.77	NE	3.8	6	SW
20260112.12	0.70	E	3.9	4	SE
20260112.15	0.63	E	4.1	3	SE
20260112.18	0.57	E	4.1	3	SE
20260112.21	0.51	E	4.1	2	SE
20260113.00	0.46	E	4.0	2	SE
20260113.03	0.41	E	3.8	3	S
20260113.06	0.38	E	3.7	3	NE
20260113.09	0.36	E	3.4	5	N
20260113.12	0.43	E	2.8	7	W

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
20260108.12	0.18	NW	1.8	0	W
20260108.15	0.29	NW	2.4	2	NW
20260108.18	0.37	NW	2.5	5	NW
20260108.21	0.42	N	2.7	4	NW
20260109.00	0.43	N	3.0	2	SE
20260109.03	0.41	N	3.1	2	SE
20260109.06	0.38	N	3.1	2	S
20260109.09	0.37	N	3.0	4	E
20260109.12	0.41	N	2.6	6	NE
20260109.15	0.49	NE	2.6	6	NE
20260109.18	0.53	NE	2.8	6	NW
20260109.21	0.54	E	3.1	4	N
20260110.00	0.50	E	3.3	4	E
20260110.03	0.48	E	3.5	4	S
20260110.06	0.55	NE	3.1	6	E
20260110.09	0.61	NE	3.0	6	E
20260110.12	0.58	NE	3.0	6	E
20260110.15	0.63	NE	3.0	8	NE
20260110.18	0.77	E	3.3	10	NW
20260110.21	0.78	E	3.5	5	NW
20260111.00	0.65	E	3.5	2	SW
20260111.03	0.64	NE	3.6	4	W
20260111.06	0.68	E	3.5	5	W
20260111.09	0.79	SE	3.8	5	SW
20260111.12	0.86	E	4.1	3	S
20260111.15	0.85	E	4.3	3	SW
20260111.18	0.86	E	4.3	1	N
20260111.21	0.87	NE	4.1	2	W
20260112.00	0.82	NE	4.1	5	W
20260112.03	0.77	NE	4.0	6	NW
20260112.06	0.78	E	3.7	7	W
20260112.09	0.78	E	3.7	6	SW
20260112.12	0.72	SE	3.9	5	SE
20260112.15	0.65	S	4.0	4	SE
20260112.18	0.58	S	4.1	1	SE
20260112.21	0.52	SW	4.0	1	E
20260113.00	0.47	SW	4.0	1	S
20260113.03	0.42	W	3.9	1	SW
20260113.06	0.38	NW	3.9	1	NW
20260113.09	0.34	N	3.8	4	NW
20260113.12	0.35	E	3.2	7	NW

**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

Phone. (717)2 79 83 12; E-mail: ugmikm@meteo.kz