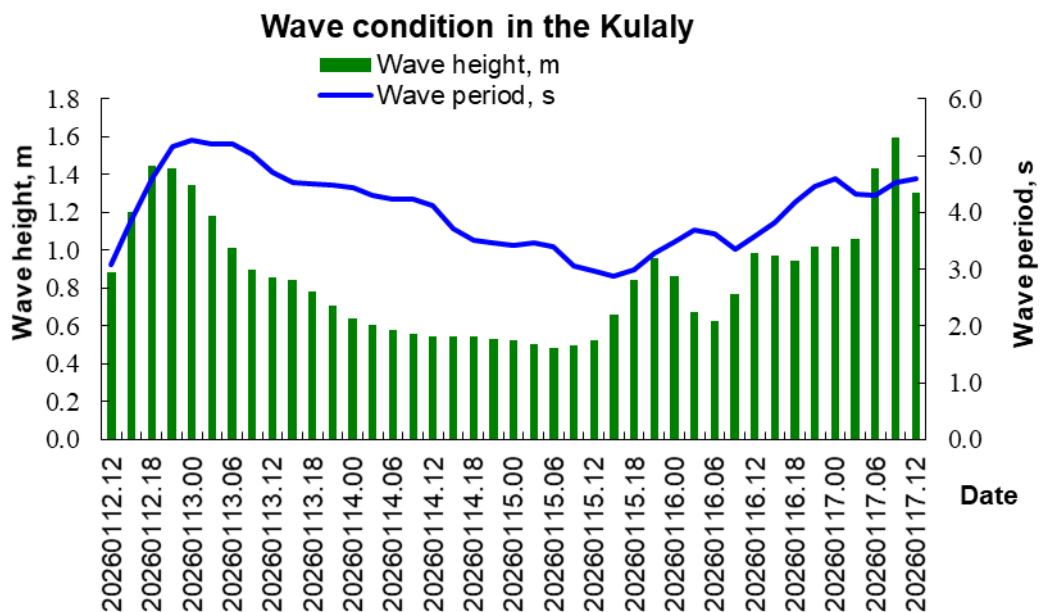
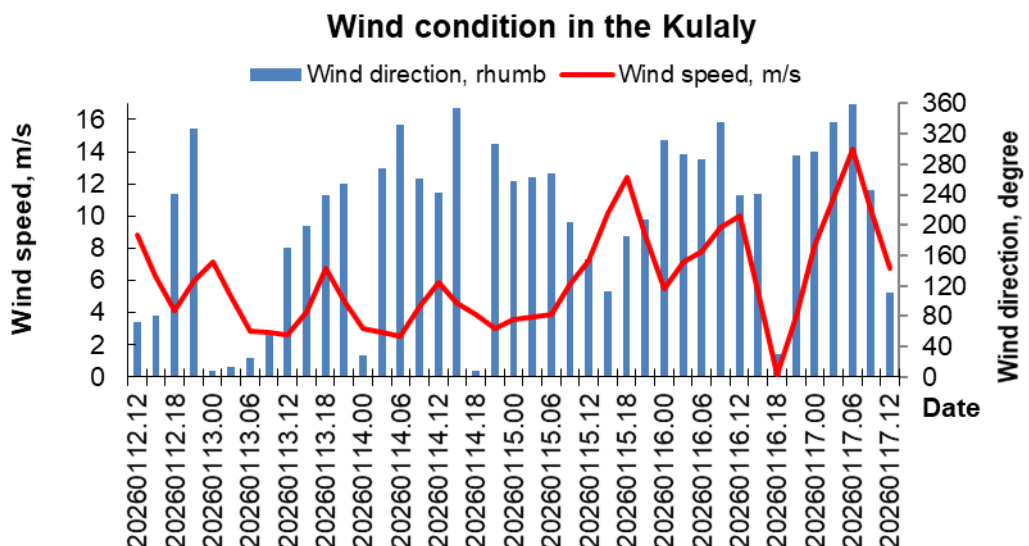




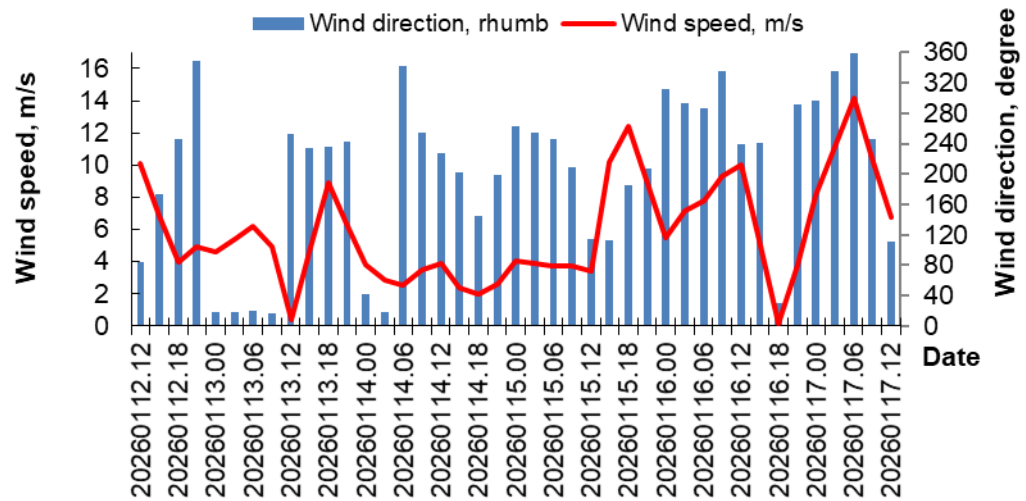
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 12 – 17, 2026 .**

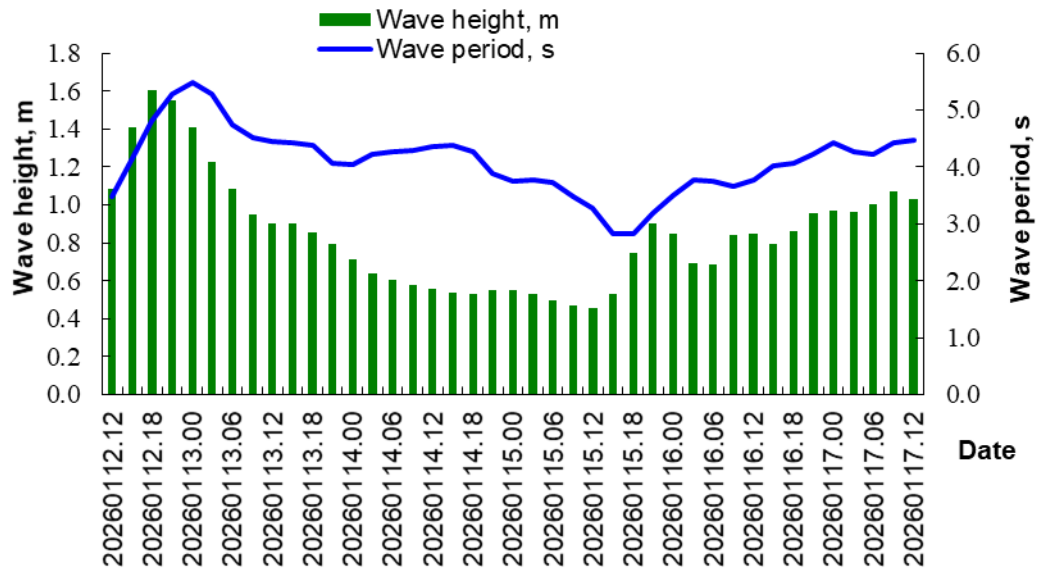


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	0.88	N	3.1	9	E
20260112.15	1.20	N	3.9	6	E
20260112.18	1.44	N	4.6	4	SW
20260112.21	1.43	NE	5.2	6	NW
20260113.00	1.34	NE	5.3	7	N
20260113.03	1.18	NE	5.2	5	N
20260113.06	1.02	NE	5.2	3	NE
20260113.09	0.90	NE	5.0	3	NE
20260113.12	0.86	NE	4.7	3	S
20260113.15	0.84	N	4.5	4	S
20260113.18	0.78	NE	4.5	7	SW
20260113.21	0.71	NE	4.5	5	W
20260114.00	0.64	NE	4.4	3	NE
20260114.03	0.61	NE	4.3	3	W
20260114.06	0.58	NE	4.2	3	NW
20260114.09	0.56	NE	4.2	4	W
20260114.12	0.54	E	4.1	6	SW
20260114.15	0.55	E	3.7	5	N
20260114.18	0.55	E	3.5	4	N
20260114.21	0.53	E	3.5	3	NW
20260115.00	0.52	E	3.4	4	W
20260115.03	0.50	E	3.5	4	W
20260115.06	0.48	E	3.4	4	W
20260115.09	0.50	SE	3.1	6	SW
20260115.12	0.53	SE	3.0	7	SE
20260115.15	0.66	NW	2.9	10	SE
20260115.18	0.84	W	3.0	12	S
20260115.21	0.96	W	3.3	9	SW
20260116.00	0.86	SW	3.5	5	NW
20260116.03	0.67	SW	3.7	7	NW
20260116.06	0.63	SW	3.6	8	W
20260116.09	0.77	S	3.4	9	NW
20260116.12	0.99	S	3.6	10	SW
20260116.15	0.97	S	3.8	5	SW
20260116.18	0.94	SW	4.2	0	NE
20260116.21	1.02	SW	4.5	4	W
20260117.00	1.02	SW	4.6	8	NW
20260117.03	1.06	S	4.3	11	NW
20260117.06	1.43	S	4.3	14	N
20260117.09	1.60	S	4.5	10	SW
20260117.12	1.31	S	4.6	7	E

Wind condition in the Fort-Shevchenko

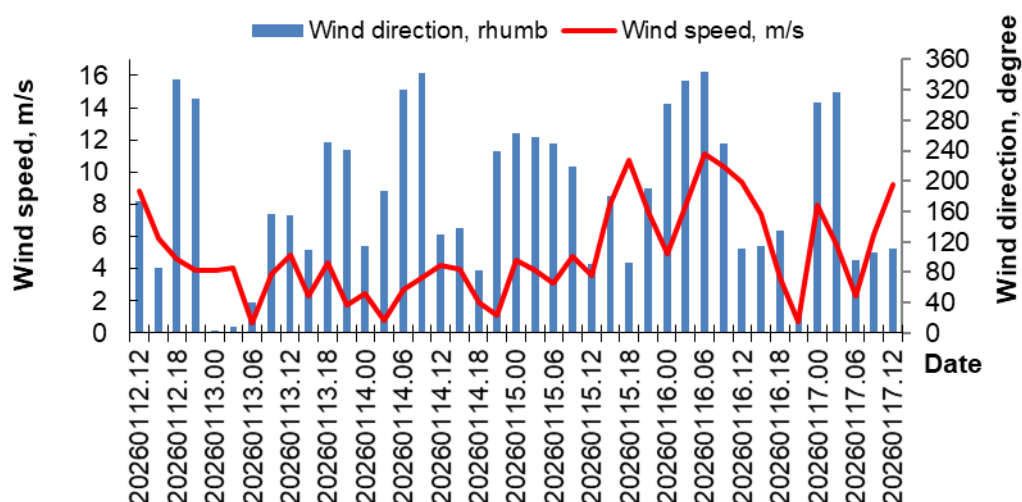


Wave condition in the Fort-Shevchenko

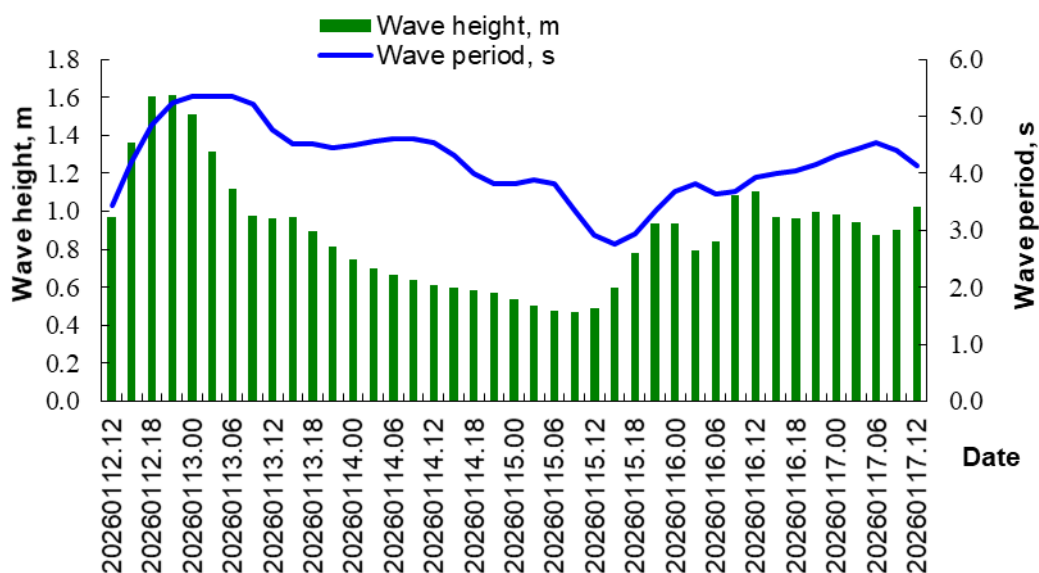


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	1.08	N	3.5	10	E
20260112.15	1.41	N	4.2	7	S
20260112.18	1.61	N	4.8	4	SW
20260112.21	1.55	N	5.3	5	N
20260113.00	1.41	N	5.5	5	N
20260113.03	1.23	NE	5.3	5	N
20260113.06	1.09	NE	4.7	6	N
20260113.09	0.95	NE	4.5	5	N
20260113.12	0.90	NE	4.4	0	W
20260113.15	0.90	N	4.4	5	SW
20260113.18	0.85	NE	4.4	9	SW
20260113.21	0.80	NE	4.1	6	SW
20260114.00	0.71	NE	4.0	4	NE
20260114.03	0.64	NE	4.2	3	N
20260114.06	0.60	NE	4.3	3	N
20260114.09	0.58	NE	4.3	3	W
20260114.12	0.56	E	4.4	4	SW
20260114.15	0.54	E	4.4	2	S
20260114.18	0.53	E	4.3	2	SE
20260114.21	0.55	NE	3.9	3	S
20260115.00	0.55	NE	3.8	4	W
20260115.03	0.53	E	3.8	4	W
20260115.06	0.49	E	3.7	4	SW
20260115.09	0.47	E	3.5	4	SW
20260115.12	0.45	E	3.3	3	SE
20260115.15	0.53	SW	2.8	10	SE
20260115.18	0.75	W	2.8	12	S
20260115.21	0.90	W	3.2	9	SW
20260116.00	0.85	W	3.5	5	NW
20260116.03	0.69	W	3.8	7	NW
20260116.06	0.68	SW	3.7	8	W
20260116.09	0.84	S	3.7	9	NW
20260116.12	0.85	S	3.8	10	SW
20260116.15	0.79	SW	4.0	5	SW
20260116.18	0.86	SW	4.1	0	NE
20260116.21	0.96	SW	4.2	4	W
20260117.00	0.97	SW	4.4	8	NW
20260117.03	0.96	SW	4.3	11	NW
20260117.06	1.01	S	4.2	14	N
20260117.09	1.07	S	4.4	10	SW
20260117.12	1.03	SW	4.5	7	E

Wind condition in the Aktau

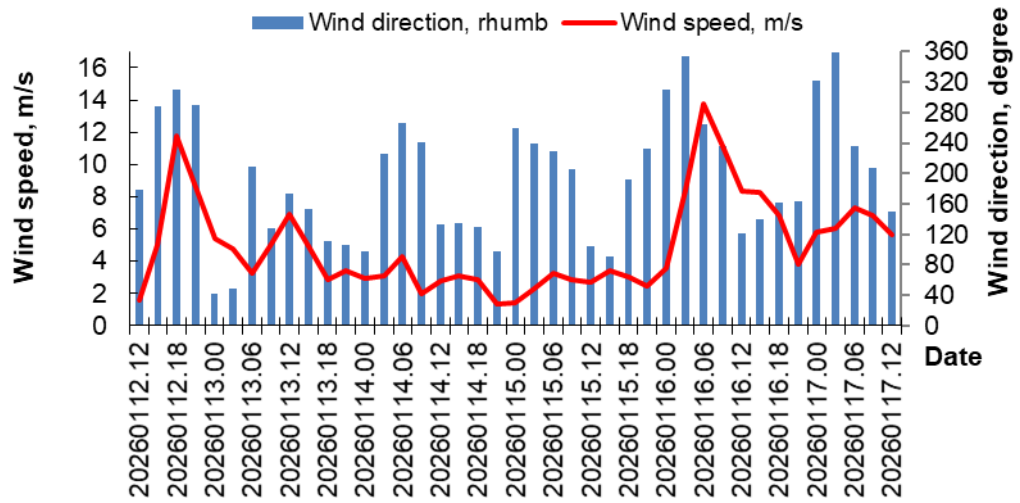


Wave condition in the Aktau

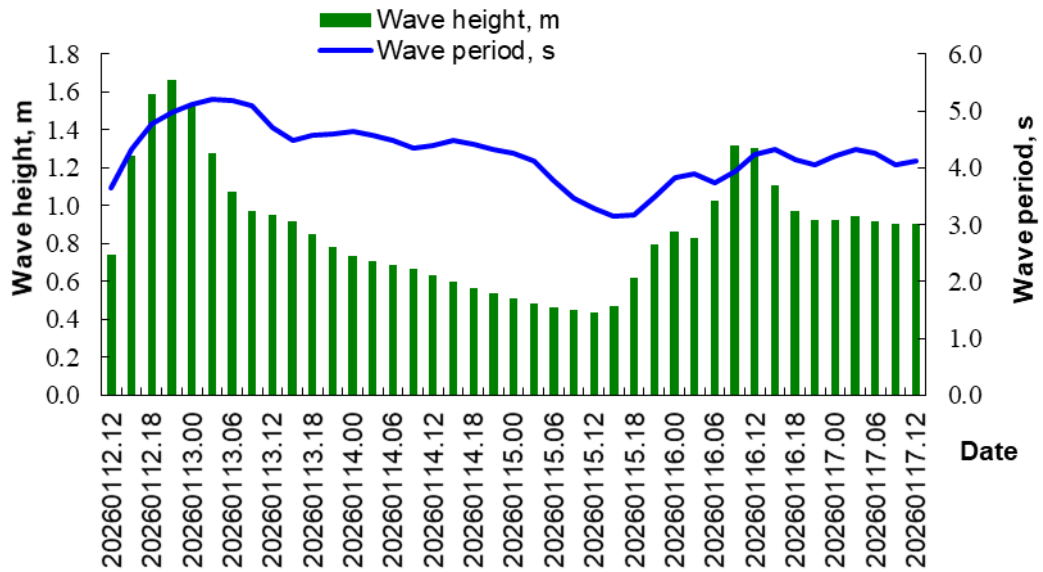


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260112.12	0.97	N	3.4	9	S
20260112.15	1.36	N	4.2	6	E
20260112.18	1.60	N	4.9	5	NW
20260112.21	1.61	N	5.2	4	NW
20260113.00	1.51	N	5.4	4	N
20260113.03	1.32	N	5.4	4	N
20260113.06	1.12	N	5.3	1	NE
20260113.09	0.98	N	5.2	4	SE
20260113.12	0.96	N	4.8	5	SE
20260113.15	0.97	N	4.5	2	E
20260113.18	0.90	N	4.5	4	W
20260113.21	0.82	N	4.4	2	SW
20260114.00	0.75	NE	4.5	3	SE
20260114.03	0.70	NE	4.6	1	S
20260114.06	0.66	NE	4.6	3	NW
20260114.09	0.64	NE	4.6	3	N
20260114.12	0.61	NE	4.5	4	SE
20260114.15	0.60	NE	4.3	4	SE
20260114.18	0.59	NE	4.0	2	E
20260114.21	0.57	NE	3.8	1	SW
20260115.00	0.54	NE	3.8	5	W
20260115.03	0.51	NE	3.9	4	W
20260115.06	0.48	NE	3.8	3	W
20260115.09	0.47	E	3.3	5	SW
20260115.12	0.49	E	2.9	4	E
20260115.15	0.60	W	2.8	8	S
20260115.18	0.78	W	2.9	11	E
20260115.21	0.93	W	3.3	8	S
20260116.00	0.94	W	3.7	5	NW
20260116.03	0.79	W	3.8	8	NW
20260116.06	0.84	SW	3.6	11	N
20260116.09	1.08	S	3.7	10	W
20260116.12	1.10	SW	3.9	9	E
20260116.15	0.97	SW	4.0	7	SE
20260116.18	0.96	SW	4.0	3	SE
20260116.21	1.00	W	4.1	1	NE
20260117.00	0.98	W	4.3	8	NW
20260117.03	0.94	SW	4.4	6	NW
20260117.06	0.87	SW	4.5	2	E
20260117.09	0.90	SW	4.4	6	E
20260117.12	1.02	SW	4.1	9	E

Wind condition in the Peschanyi

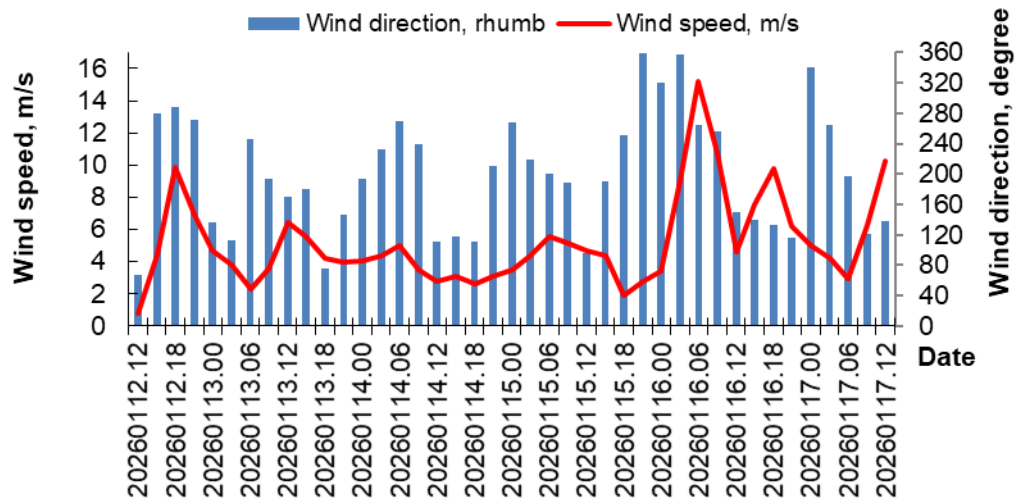


Wave condition in the Peschanyi

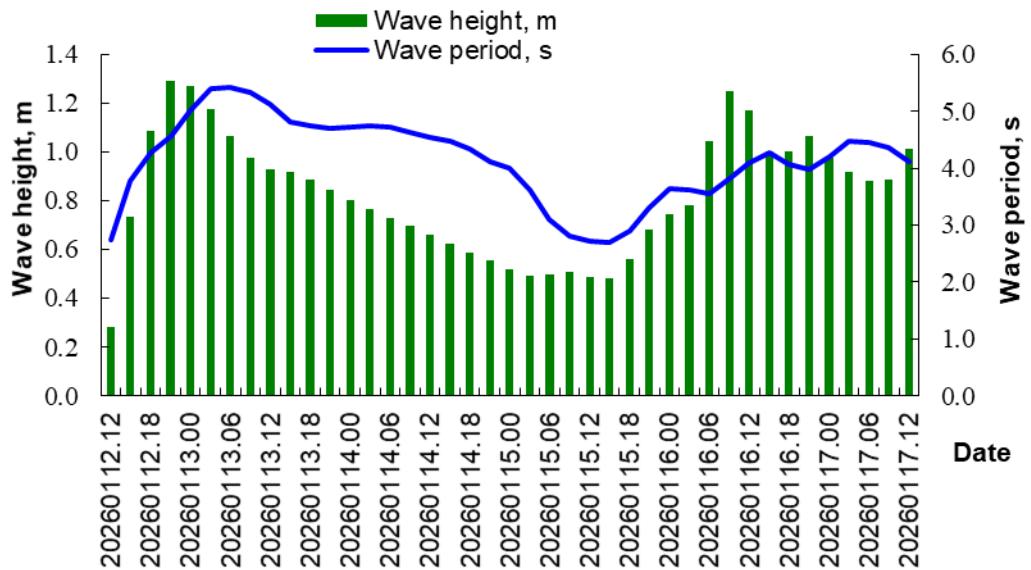


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	0.74	N	3.6	2	S
20260112.15	1.27	N	4.3	5	W
20260112.18	1.59	N	4.8	12	NW
20260112.21	1.67	N	5.0	9	W
20260113.00	1.52	N	5.1	5	NE
20260113.03	1.28	N	5.2	5	NE
20260113.06	1.08	N	5.2	3	SW
20260113.09	0.97	N	5.1	5	SE
20260113.12	0.95	N	4.7	7	S
20260113.15	0.92	N	4.5	5	SE
20260113.18	0.85	N	4.6	3	E
20260113.21	0.78	NE	4.6	3	E
20260114.00	0.73	NE	4.6	3	E
20260114.03	0.70	NE	4.6	3	SW
20260114.06	0.69	NE	4.5	4	W
20260114.09	0.66	NE	4.3	2	SW
20260114.12	0.63	NE	4.4	3	SE
20260114.15	0.60	NE	4.5	3	SE
20260114.18	0.57	NE	4.4	3	SE
20260114.21	0.54	NE	4.3	1	E
20260115.00	0.51	NE	4.3	1	W
20260115.03	0.49	NE	4.1	2	SW
20260115.06	0.47	E	3.8	3	SW
20260115.09	0.45	E	3.5	3	SW
20260115.12	0.44	E	3.3	3	E
20260115.15	0.47	NW	3.1	3	E
20260115.18	0.62	W	3.2	3	S
20260115.21	0.79	W	3.5	2	SW
20260116.00	0.86	W	3.8	4	NW
20260116.03	0.83	W	3.9	8	N
20260116.06	1.02	SW	3.7	14	W
20260116.09	1.32	SW	3.9	11	SW
20260116.12	1.31	SW	4.2	8	SE
20260116.15	1.11	SW	4.3	8	SE
20260116.18	0.97	SW	4.1	7	S
20260116.21	0.92	SW	4.1	4	S
20260117.00	0.93	SW	4.2	6	NW
20260117.03	0.94	SW	4.3	6	N
20260117.06	0.92	SW	4.3	7	SW
20260117.09	0.91	SW	4.0	7	SW
20260117.12	0.90	SW	4.1	6	SE

Wind condition in the Fetisovo

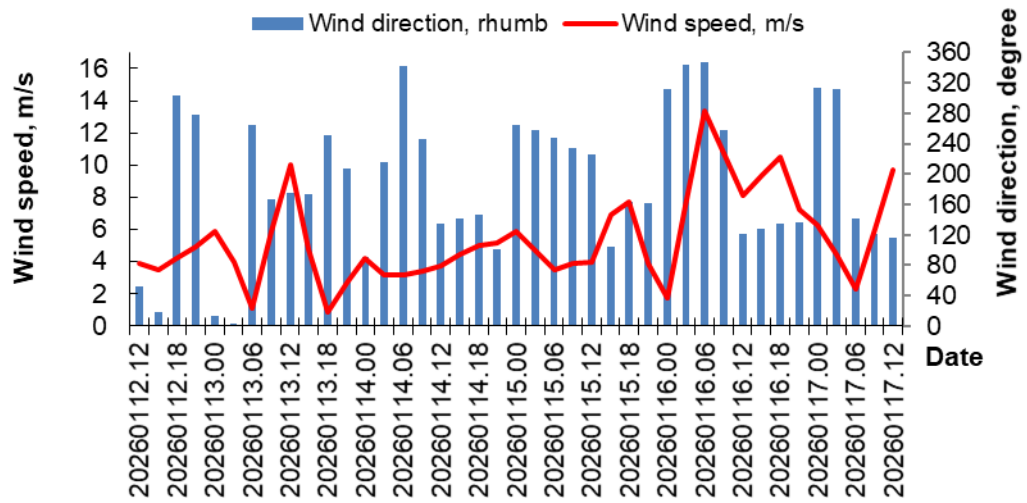


Wave condition in the Fetisovo

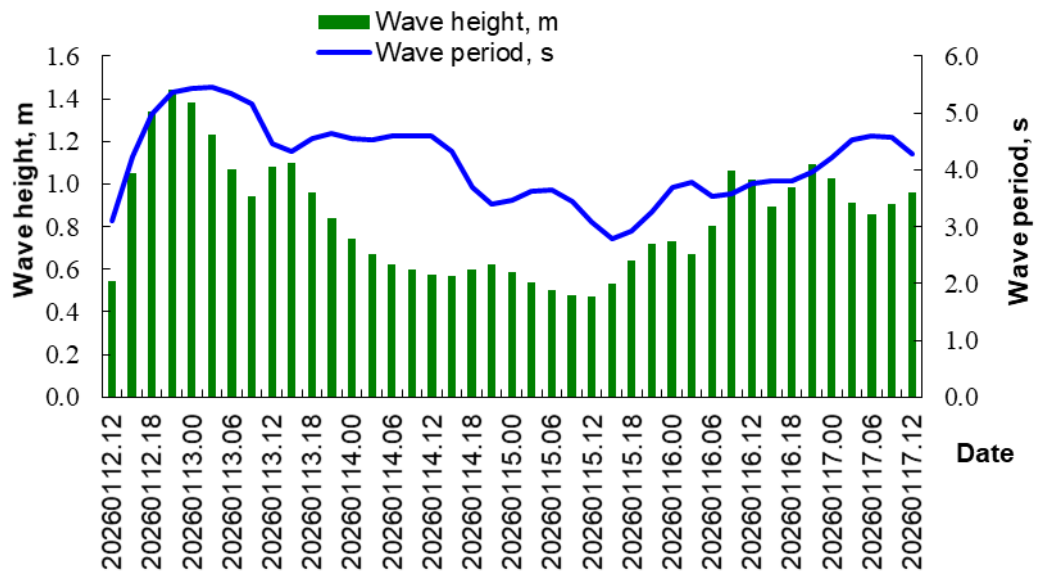


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	0.28	NW	2.7	1	NE
20260112.15	0.74	N	3.8	4	W
20260112.18	1.08	N	4.3	10	W
20260112.21	1.29	N	4.6	7	W
20260113.00	1.27	N	5.0	5	SE
20260113.03	1.17	N	5.4	4	SE
20260113.06	1.07	N	5.4	2	SW
20260113.09	0.97	N	5.3	4	S
20260113.12	0.93	N	5.1	6	S
20260113.15	0.92	N	4.8	6	S
20260113.18	0.88	N	4.7	4	E
20260113.21	0.85	N	4.7	4	SE
20260114.00	0.80	NE	4.7	4	S
20260114.03	0.76	NE	4.7	4	SW
20260114.06	0.73	NE	4.7	5	W
20260114.09	0.70	NE	4.6	3	SW
20260114.12	0.66	NE	4.5	3	E
20260114.15	0.62	NE	4.5	3	SE
20260114.18	0.59	NE	4.3	3	E
20260114.21	0.55	NE	4.1	3	SW
20260115.00	0.52	NE	4.0	3	W
20260115.03	0.49	NE	3.6	4	SW
20260115.06	0.50	NE	3.1	6	S
20260115.09	0.51	N	2.8	5	S
20260115.12	0.49	NW	2.7	5	E
20260115.15	0.48	W	2.7	4	S
20260115.18	0.56	W	2.9	2	W
20260115.21	0.68	W	3.3	3	N
20260116.00	0.75	W	3.6	3	NW
20260116.03	0.78	SW	3.6	9	N
20260116.06	1.04	SW	3.5	15	W
20260116.09	1.25	S	3.8	11	W
20260116.12	1.17	S	4.1	5	SE
20260116.15	1.00	SW	4.3	8	SE
20260116.18	1.00	W	4.1	10	SE
20260116.21	1.07	W	4.0	6	SE
20260117.00	0.98	W	4.2	5	N
20260117.03	0.92	W	4.5	4	W
20260117.06	0.88	W	4.5	3	S
20260117.09	0.89	SW	4.4	6	SE
20260117.12	1.01	W	4.1	10	SE

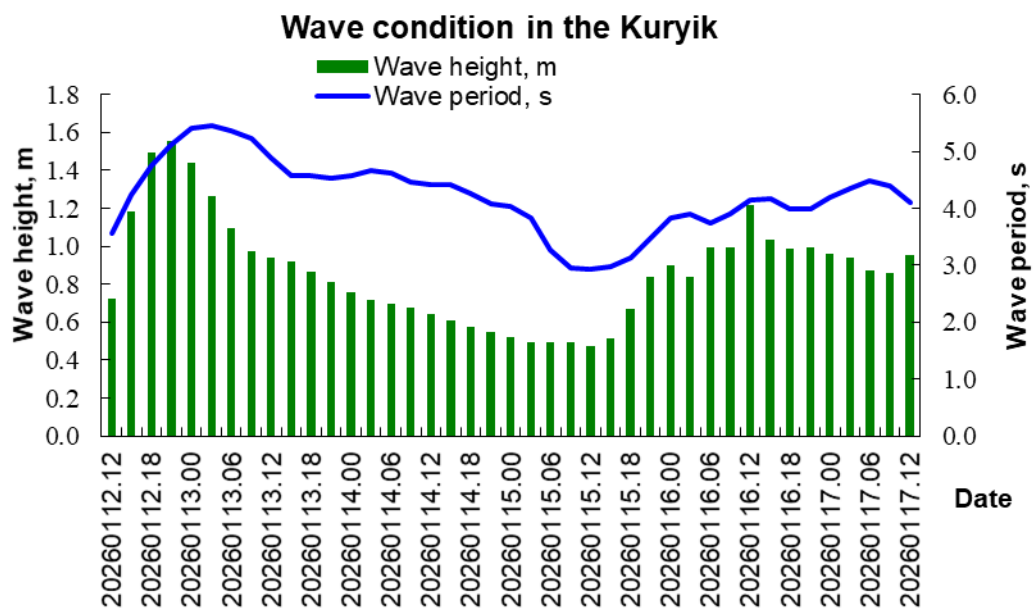
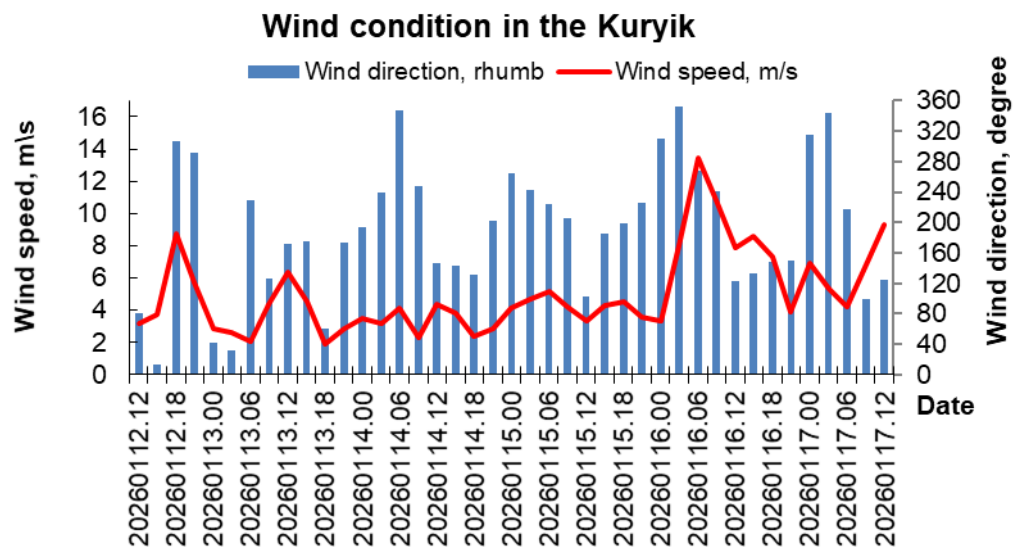
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	0.54	N	3.1	4	NE
20260112.15	1.05	N	4.2	3	N
20260112.18	1.34	N	5.0	4	NW
20260112.21	1.44	N	5.4	5	W
20260113.00	1.38	N	5.4	6	N
20260113.03	1.23	N	5.4	4	N
20260113.06	1.07	N	5.4	1	W
20260113.09	0.94	N	5.2	6	S
20260113.12	1.08	N	4.5	10	S
20260113.15	1.10	N	4.3	5	S
20260113.18	0.96	N	4.5	1	W
20260113.21	0.84	N	4.6	3	SW
20260114.00	0.74	NE	4.5	4	E
20260114.03	0.67	NE	4.5	3	SW
20260114.06	0.62	NE	4.6	3	N
20260114.09	0.60	NE	4.6	3	SW
20260114.12	0.58	NE	4.6	4	SE
20260114.15	0.57	NE	4.3	4	SE
20260114.18	0.60	NE	3.7	5	SE
20260114.21	0.62	NE	3.4	5	E
20260115.00	0.59	NE	3.5	6	W
20260115.03	0.54	NE	3.6	5	W
20260115.06	0.50	E	3.7	4	SW
20260115.09	0.48	E	3.4	4	SW
20260115.12	0.47	E	3.1	4	SW
20260115.15	0.53	S	2.8	7	E
20260115.18	0.64	W	2.9	8	S
20260115.21	0.72	W	3.3	4	S
20260116.00	0.73	W	3.7	2	NW
20260116.03	0.67	W	3.8	7	N
20260116.06	0.80	SW	3.5	13	N
20260116.09	1.06	S	3.6	11	W
20260116.12	1.02	SW	3.8	8	SE
20260116.15	0.89	SW	3.8	9	SE
20260116.18	0.98	SW	3.8	10	SE
20260116.21	1.09	W	4.0	7	SE
20260117.00	1.03	W	4.2	6	NW
20260117.03	0.91	SW	4.5	4	NW
20260117.06	0.86	SW	4.6	2	SE
20260117.09	0.91	SW	4.6	6	SE
20260117.12	0.96	SW	4.3	10	SE



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260112.12	0.73	N	3.6	3	E
20260112.15	1.18	N	4.2	4	N
20260112.18	1.49	N	4.8	9	NW
20260112.21	1.56	N	5.1	6	W
20260113.00	1.44	N	5.4	3	NE
20260113.03	1.27	N	5.5	3	NE
20260113.06	1.10	N	5.4	2	SW
20260113.09	0.98	N	5.2	4	SE
20260113.12	0.94	N	4.9	6	S
20260113.15	0.92	N	4.6	5	S
20260113.18	0.87	N	4.6	2	NE
20260113.21	0.81	NE	4.5	3	S
20260114.00	0.76	NE	4.6	3	S
20260114.03	0.72	NE	4.7	3	SW
20260114.06	0.69	NE	4.6	4	N
20260114.09	0.67	NE	4.5	2	SW
20260114.12	0.64	NE	4.4	4	SE
20260114.15	0.61	NE	4.4	4	SE
20260114.18	0.58	NE	4.3	2	SE
20260114.21	0.55	NE	4.1	3	S
20260115.00	0.52	NE	4.0	4	W
20260115.03	0.49	NE	3.8	5	SW
20260115.06	0.49	NE	3.3	5	SW
20260115.09	0.50	NE	3.0	4	SW
20260115.12	0.47	NE	2.9	3	E
20260115.15	0.52	NW	3.0	4	S
20260115.18	0.67	W	3.1	5	S
20260115.21	0.84	W	3.5	4	SW
20260116.00	0.90	W	3.8	3	NW
20260116.03	0.84	W	3.9	8	N
20260116.06	1.00	SW	3.8	13	W
20260116.09	1.00	SW	3.9	11	SW
20260116.12	1.22	SW	4.1	8	SE
20260116.15	1.03	SW	4.2	9	SE
20260116.18	0.99	SW	4.0	7	SE
20260116.21	1.00	W	4.0	4	SE
20260117.00	0.96	W	4.2	7	NW
20260117.03	0.94	SW	4.4	5	N
20260117.06	0.87	SW	4.5	4	SW
20260117.09	0.86	SW	4.4	7	E
20260117.12	0.95	W	4.1	9	SE

**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

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