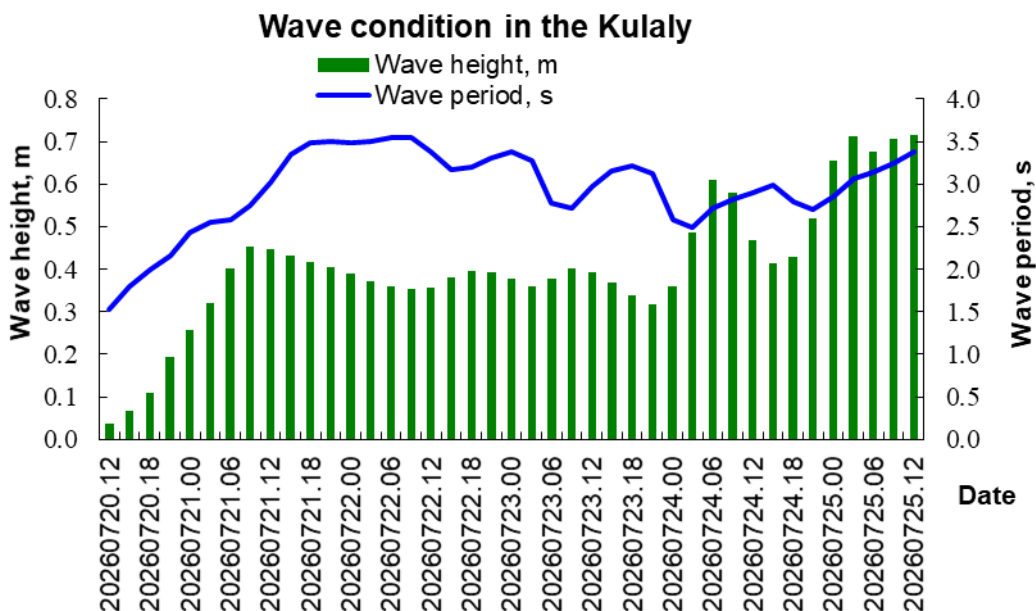
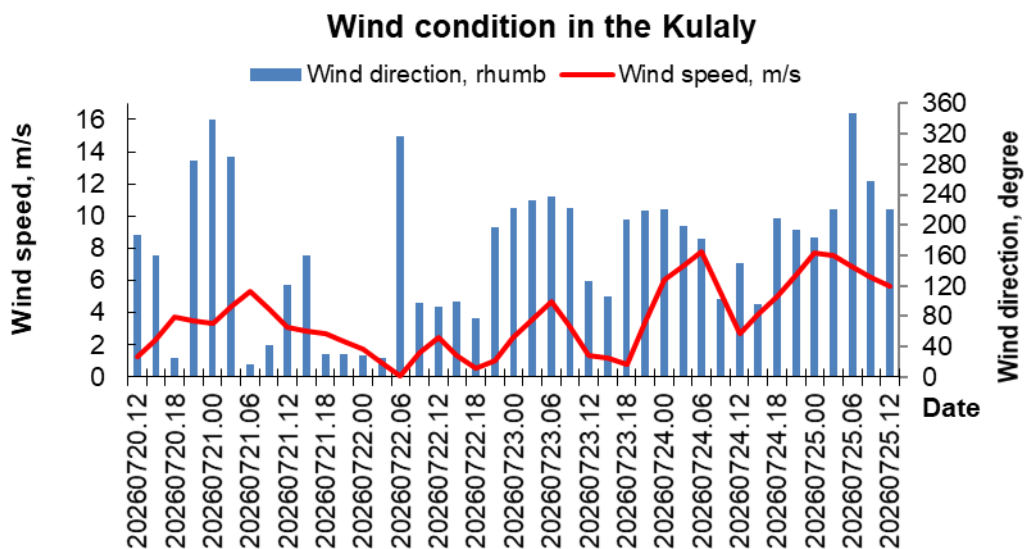




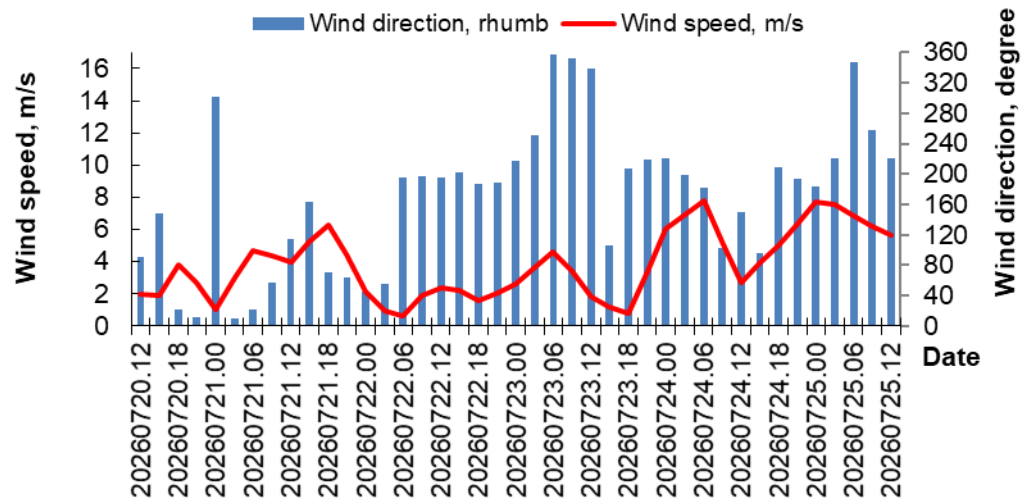
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period July 20 – 25, 2026 .**

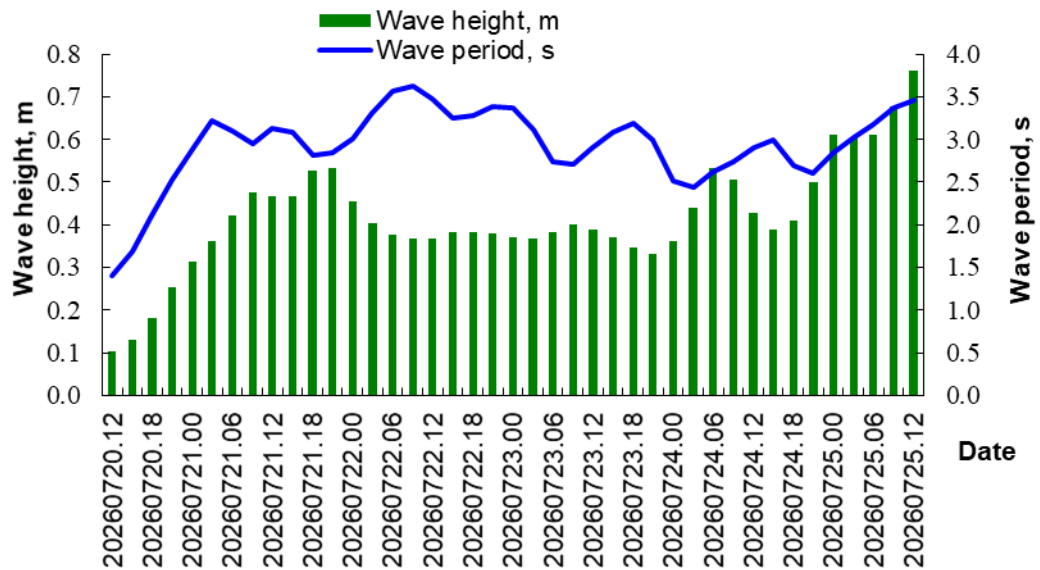


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.04	W	1.5	1	S
20260720.15	0.07	SW	1.8	2	S
20260720.18	0.11	SW	2.0	4	NE
20260720.21	0.19	NE	2.2	3	W
20260721.00	0.26	NE	2.4	3	N
20260721.03	0.32	E	2.6	4	W
20260721.06	0.40	E	2.6	5	N
20260721.09	0.45	E	2.7	4	NE
20260721.12	0.45	NE	3.0	3	SE
20260721.15	0.43	E	3.3	3	S
20260721.18	0.42	E	3.5	3	NE
20260721.21	0.40	E	3.5	2	NE
20260722.00	0.39	NE	3.5	2	NE
20260722.03	0.37	E	3.5	1	NE
20260722.06	0.36	E	3.5	0	NW
20260722.09	0.35	E	3.5	1	E
20260722.12	0.36	E	3.4	2	E
20260722.15	0.38	E	3.2	1	E
20260722.18	0.40	E	3.2	1	E
20260722.21	0.39	E	3.3	1	S
20260723.00	0.38	E	3.4	2	SW
20260723.03	0.36	E	3.3	4	SW
20260723.06	0.38	SE	2.8	5	SW
20260723.09	0.40	S	2.7	3	SW
20260723.12	0.39	S	3.0	1	SE
20260723.15	0.37	S	3.2	1	E
20260723.18	0.34	S	3.2	1	SW
20260723.21	0.32	S	3.1	3	SW
20260724.00	0.36	SW	2.6	6	SW
20260724.03	0.49	SW	2.5	7	S
20260724.06	0.61	W	2.7	8	S
20260724.09	0.58	W	2.8	5	E
20260724.12	0.47	W	2.9	3	SE
20260724.15	0.41	W	3.0	4	E
20260724.18	0.43	W	2.8	5	SW
20260724.21	0.52	SW	2.7	6	S
20260725.00	0.66	W	2.9	8	S
20260725.03	0.71	SW	3.1	8	SW
20260725.06	0.68	SW	3.1	7	N
20260725.09	0.71	SW	3.2	6	W
20260725.12	0.72	SW	3.4	6	SW

Wind condition in the Fort-Shevchenko

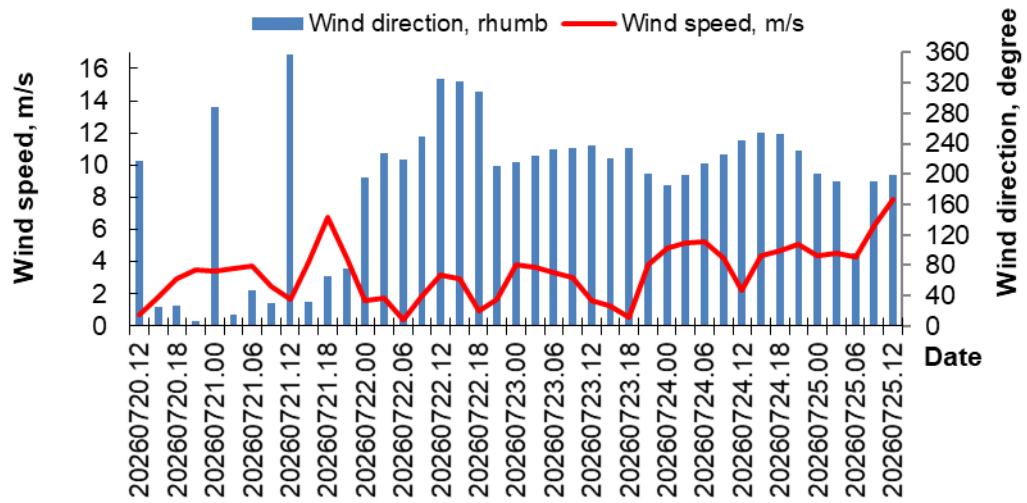


Wave condition in the Fort-Shevchenko

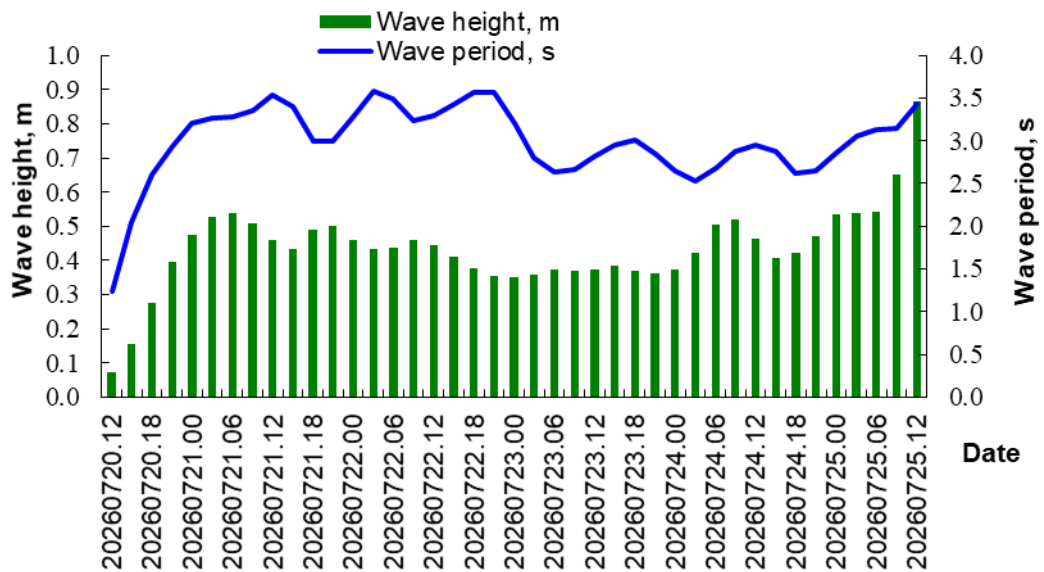


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.10	W	1.4	2	E
20260720.15	0.13	W	1.7	2	SE
20260720.18	0.18	W	2.1	4	N
20260720.21	0.25	E	2.5	3	N
20260721.00	0.31	E	2.9	1	NW
20260721.03	0.36	E	3.2	3	N
20260721.06	0.42	E	3.1	5	N
20260721.09	0.48	E	3.0	4	NE
20260721.12	0.47	E	3.1	4	SE
20260721.15	0.47	NE	3.1	5	S
20260721.18	0.53	NE	2.8	6	E
20260721.21	0.53	NE	2.8	4	NE
20260722.00	0.45	NE	3.0	2	NE
20260722.03	0.40	NE	3.3	1	NE
20260722.06	0.38	NE	3.6	1	S
20260722.09	0.37	NE	3.6	2	S
20260722.12	0.37	E	3.5	2	S
20260722.15	0.38	E	3.3	2	S
20260722.18	0.38	E	3.3	2	S
20260722.21	0.38	E	3.4	2	S
20260723.00	0.37	E	3.4	3	SW
20260723.03	0.37	E	3.1	4	W
20260723.06	0.38	SE	2.7	5	N
20260723.09	0.40	S	2.7	3	N
20260723.12	0.39	S	2.9	2	N
20260723.15	0.37	S	3.1	1	E
20260723.18	0.35	SW	3.2	1	SW
20260723.21	0.33	SW	3.0	3	SW
20260724.00	0.36	SW	2.5	6	SW
20260724.03	0.44	SW	2.4	7	S
20260724.06	0.53	SW	2.6	8	S
20260724.09	0.50	W	2.7	5	E
20260724.12	0.43	W	2.9	3	SE
20260724.15	0.39	W	3.0	4	E
20260724.18	0.41	W	2.7	5	SW
20260724.21	0.50	W	2.6	6	S
20260725.00	0.61	W	2.8	8	S
20260725.03	0.61	W	3.0	8	SW
20260725.06	0.61	W	3.2	7	N
20260725.09	0.68	W	3.4	6	W
20260725.12	0.76	W	3.5	6	SW

Wind condition in the Aktau

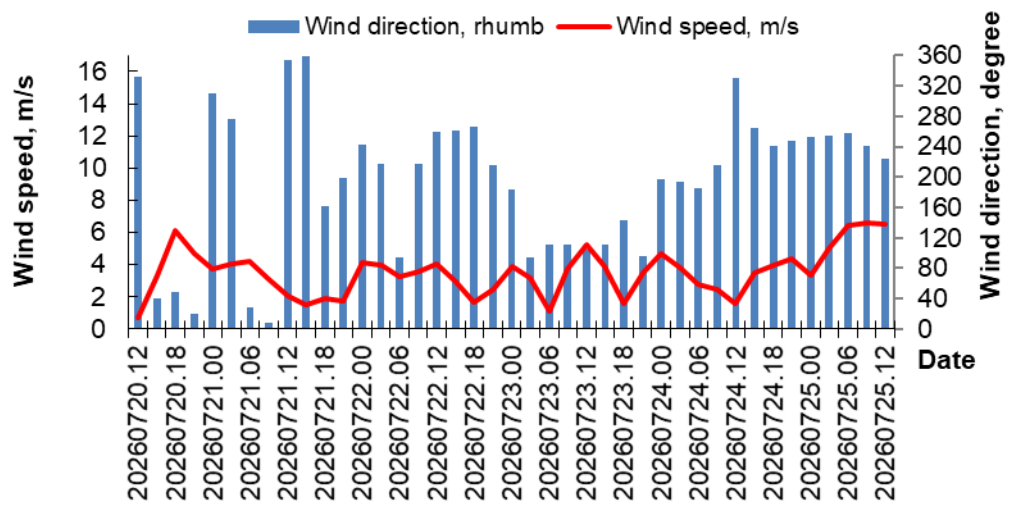


Wave condition in the Aktau

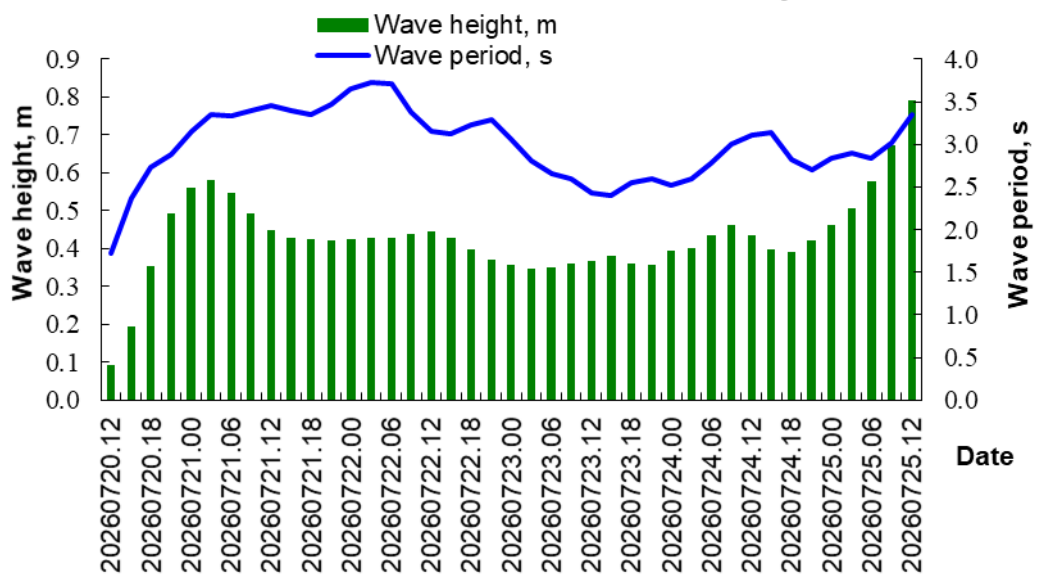


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260720.12	0.07	W	1.2	1	SW
20260720.15	0.16	SW	2.0	2	NE
20260720.18	0.28	SE	2.6	3	NE
20260720.21	0.40	E	2.9	4	N
20260721.00	0.47	E	3.2	3	W
20260721.03	0.53	E	3.3	4	N
20260721.06	0.54	E	3.3	4	NE
20260721.09	0.51	E	3.4	2	NE
20260721.12	0.46	E	3.5	2	N
20260721.15	0.44	E	3.4	4	NE
20260721.18	0.49	E	3.0	7	NE
20260721.21	0.50	NE	3.0	4	E
20260722.00	0.46	NE	3.3	2	S
20260722.03	0.44	NE	3.6	2	SW
20260722.06	0.44	NE	3.5	0	SW
20260722.09	0.46	NE	3.2	2	W
20260722.12	0.44	NE	3.3	3	NW
20260722.15	0.41	NE	3.4	3	NW
20260722.18	0.38	NE	3.6	1	NW
20260722.21	0.36	NE	3.6	2	SW
20260723.00	0.35	NE	3.2	4	SW
20260723.03	0.36	E	2.8	4	SW
20260723.06	0.37	SE	2.6	3	SW
20260723.09	0.37	S	2.7	3	SW
20260723.12	0.37	SW	2.8	2	SW
20260723.15	0.38	SW	3.0	1	SW
20260723.18	0.37	SW	3.0	1	SW
20260723.21	0.36	SW	2.9	4	S
20260724.00	0.37	SW	2.7	5	S
20260724.03	0.42	SW	2.5	5	S
20260724.06	0.51	SW	2.7	5	SW
20260724.09	0.52	SW	2.9	4	SW
20260724.12	0.46	SW	3.0	2	SW
20260724.15	0.41	SW	2.9	4	W
20260724.18	0.42	SW	2.6	5	W
20260724.21	0.47	SW	2.7	5	SW
20260725.00	0.53	W	2.9	4	S
20260725.03	0.54	W	3.1	5	S
20260725.06	0.54	W	3.1	4	E
20260725.09	0.65	W	3.1	6	S
20260725.12	0.87	W	3.4	8	S

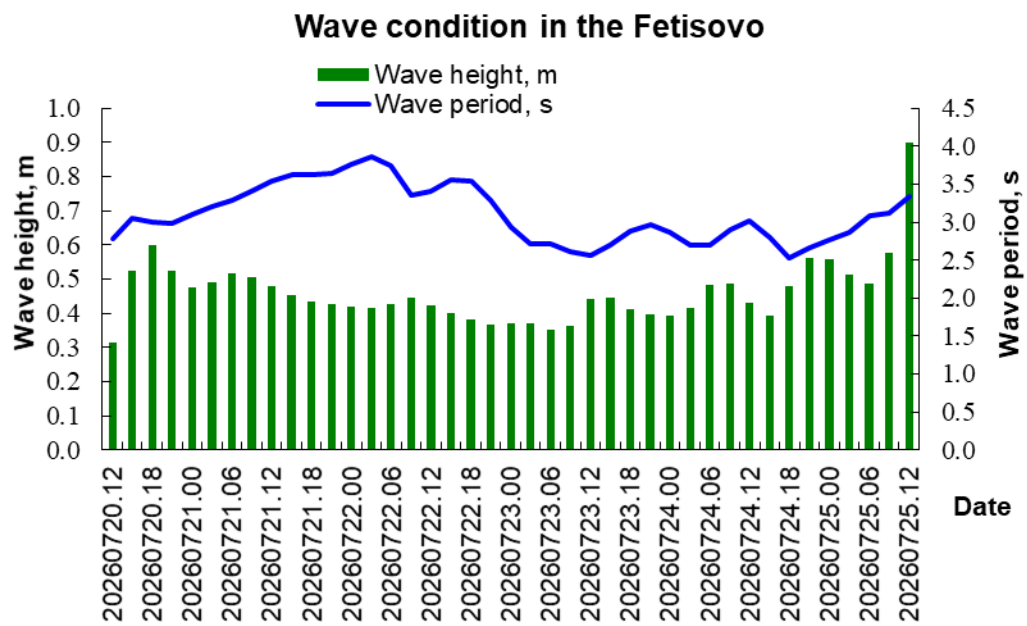
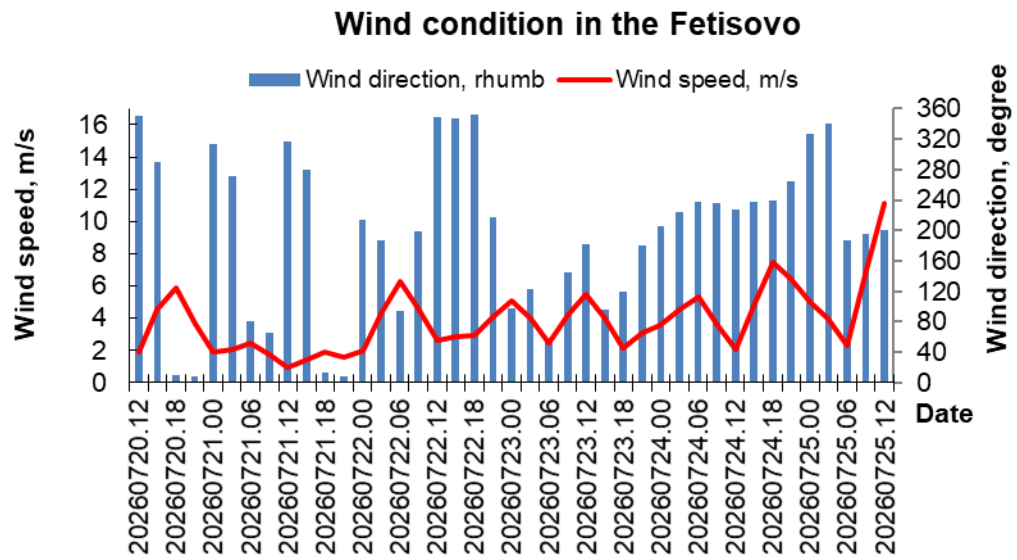
Wind condition in the Peschanyi



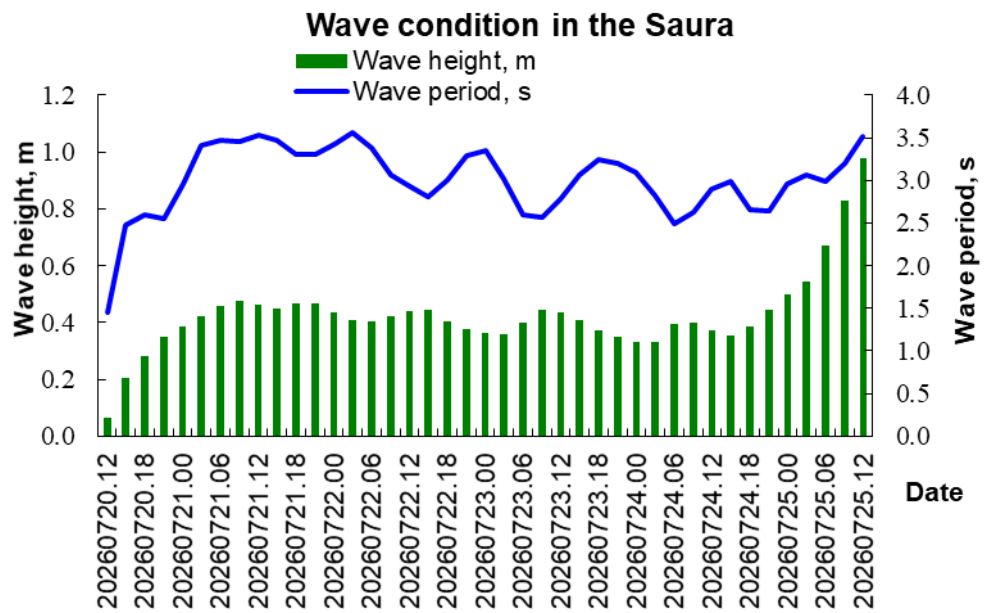
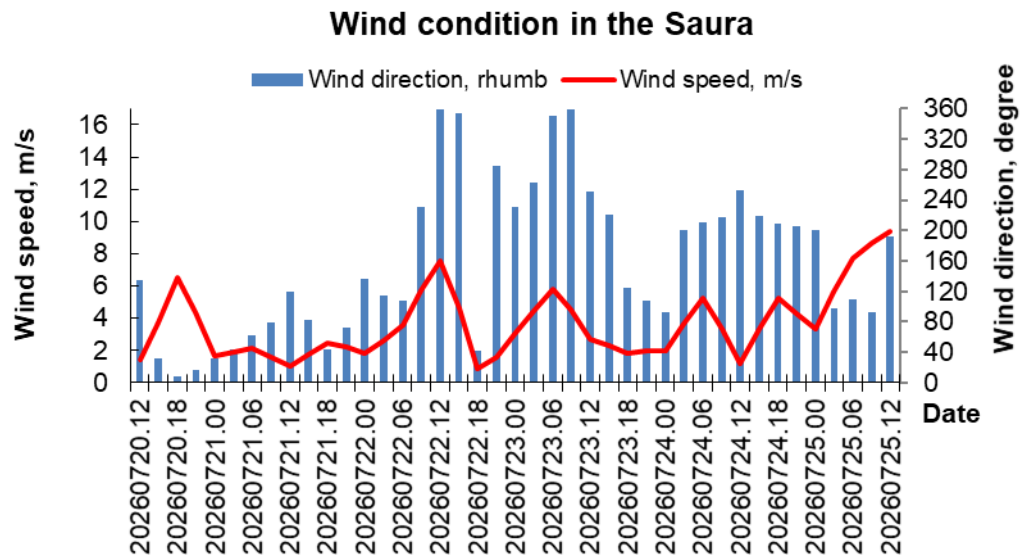
Wave condition in the Peschanyi



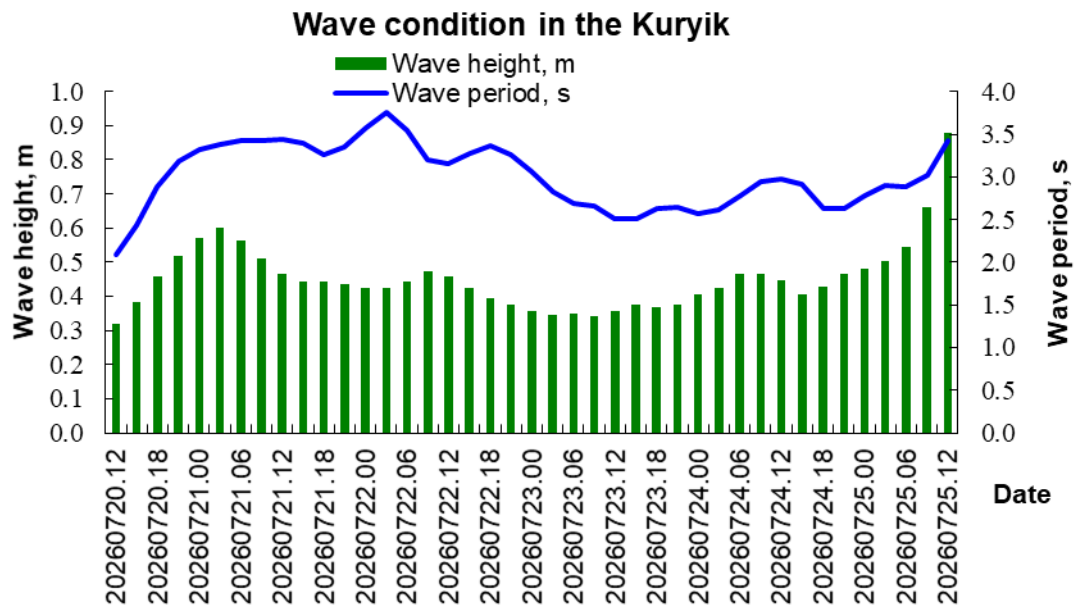
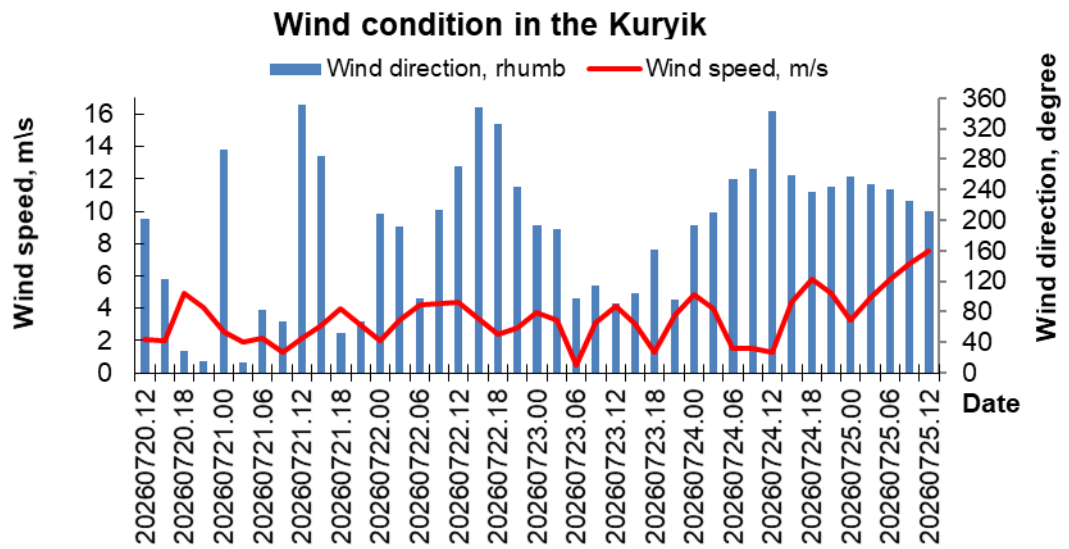
Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.09	SE	1.7	1	NW
20260720.15	0.19	SE	2.4	3	NE
20260720.18	0.35	E	2.7	6	NE
20260720.21	0.49	E	2.9	5	N
20260721.00	0.56	E	3.2	4	NW
20260721.03	0.58	E	3.3	4	W
20260721.06	0.55	E	3.3	4	NE
20260721.09	0.49	E	3.4	3	N
20260721.12	0.45	E	3.5	2	N
20260721.15	0.43	E	3.4	1	N
20260721.18	0.42	E	3.4	2	S
20260721.21	0.42	E	3.5	2	S
20260722.00	0.42	E	3.7	4	SW
20260722.03	0.43	NE	3.7	4	SW
20260722.06	0.43	NE	3.7	3	E
20260722.09	0.44	NE	3.4	4	SW
20260722.12	0.44	NE	3.2	4	W
20260722.15	0.43	NE	3.1	3	W
20260722.18	0.40	NE	3.2	2	W
20260722.21	0.37	E	3.3	2	SW
20260723.00	0.36	E	3.1	4	S
20260723.03	0.35	NE	2.8	3	E
20260723.06	0.35	E	2.7	1	E
20260723.09	0.36	W	2.6	4	E
20260723.12	0.37	W	2.4	5	E
20260723.15	0.38	W	2.4	4	E
20260723.18	0.36	W	2.5	2	SE
20260723.21	0.36	W	2.6	4	E
20260724.00	0.39	W	2.5	5	S
20260724.03	0.40	SW	2.6	4	S
20260724.06	0.43	SW	2.8	3	S
20260724.09	0.46	SW	3.0	2	SW
20260724.12	0.44	SW	3.1	2	NW
20260724.15	0.40	SW	3.1	4	W
20260724.18	0.39	SW	2.8	4	SW
20260724.21	0.42	SW	2.7	4	W
20260725.00	0.46	SW	2.8	3	W
20260725.03	0.51	SW	2.9	5	W
20260725.06	0.58	SW	2.8	6	W
20260725.09	0.67	SW	3.0	7	SW
20260725.12	0.79	SW	3.3	7	SW



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.31	SE	2.8	2	N
20260720.15	0.52	SE	3.1	5	W
20260720.18	0.60	SE	3.0	6	N
20260720.21	0.52	E	3.0	4	N
20260721.00	0.47	E	3.1	2	NW
20260721.03	0.49	E	3.2	2	W
20260721.06	0.52	E	3.3	2	E
20260721.09	0.51	E	3.4	2	NE
20260721.12	0.48	E	3.5	1	NW
20260721.15	0.45	E	3.6	1	W
20260721.18	0.44	E	3.6	2	N
20260721.21	0.43	E	3.6	2	N
20260722.00	0.42	NE	3.8	2	SW
20260722.03	0.42	NE	3.9	4	S
20260722.06	0.43	NE	3.7	6	E
20260722.09	0.44	NE	3.4	5	S
20260722.12	0.42	NE	3.4	3	N
20260722.15	0.40	NE	3.6	3	N
20260722.18	0.38	NE	3.5	3	N
20260722.21	0.37	NE	3.3	4	SW
20260723.00	0.37	NE	2.9	5	E
20260723.03	0.37	N	2.7	4	SE
20260723.06	0.35	N	2.7	2	NE
20260723.09	0.36	NW	2.6	4	SE
20260723.12	0.44	W	2.6	5	S
20260723.15	0.44	W	2.7	4	E
20260723.18	0.41	W	2.9	2	SE
20260723.21	0.40	SW	3.0	3	S
20260724.00	0.39	SW	2.9	4	SW
20260724.03	0.42	SW	2.7	5	SW
20260724.06	0.48	SW	2.7	5	SW
20260724.09	0.49	SW	2.9	4	SW
20260724.12	0.43	SW	3.0	2	SW
20260724.15	0.39	SW	2.8	5	SW
20260724.18	0.48	SW	2.5	7	SW
20260724.21	0.56	SW	2.7	6	W
20260725.00	0.56	SW	2.8	5	NW
20260725.03	0.51	SW	2.9	4	N
20260725.06	0.49	SW	3.1	2	S
20260725.09	0.58	SW	3.1	7	S
20260725.12	0.90	W	3.3	11	S



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.07	NW	1.5	1	SE
20260720.15	0.21	W	2.5	4	NE
20260720.18	0.28	W	2.6	7	N
20260720.21	0.35	NW	2.5	4	N
20260721.00	0.38	E	3.0	2	NE
20260721.03	0.42	E	3.4	2	NE
20260721.06	0.46	E	3.5	2	NE
20260721.09	0.47	E	3.5	2	E
20260721.12	0.46	E	3.5	1	SE
20260721.15	0.45	E	3.5	2	E
20260721.18	0.47	NE	3.3	2	NE
20260721.21	0.47	NE	3.3	2	E
20260722.00	0.44	NE	3.4	2	SE
20260722.03	0.41	NE	3.6	3	SE
20260722.06	0.41	NE	3.4	4	E
20260722.09	0.42	NE	3.1	6	SW
20260722.12	0.44	E	2.9	8	N
20260722.15	0.45	E	2.8	5	N
20260722.18	0.40	E	3.0	1	NE
20260722.21	0.38	E	3.3	2	W
20260723.00	0.36	E	3.4	3	SW
20260723.03	0.36	E	3.0	4	W
20260723.06	0.40	SE	2.6	6	N
20260723.09	0.45	S	2.6	4	N
20260723.12	0.44	S	2.8	3	W
20260723.15	0.41	SW	3.1	2	SW
20260723.18	0.37	SW	3.2	2	SE
20260723.21	0.35	SW	3.2	2	E
20260724.00	0.33	SW	3.1	2	E
20260724.03	0.33	SW	2.8	4	S
20260724.06	0.39	SW	2.5	5	SW
20260724.09	0.40	SW	2.6	3	SW
20260724.12	0.37	SW	2.9	1	W
20260724.15	0.36	SW	3.0	3	SW
20260724.18	0.39	SW	2.7	5	SW
20260724.21	0.44	SW	2.6	4	SW
20260725.00	0.50	W	3.0	3	S
20260725.03	0.55	W	3.1	6	E
20260725.06	0.67	W	3.0	8	E
20260725.09	0.83	W	3.2	9	E
20260725.12	0.98	W	3.5	9	S



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260720.12	0.32	W	2.1	2	S
20260720.15	0.38	S	2.4	2	SE
20260720.18	0.46	SE	2.9	5	NE
20260720.21	0.52	SE	3.2	4	N
20260721.00	0.57	E	3.3	3	NW
20260721.03	0.60	E	3.4	2	N
20260721.06	0.56	E	3.4	2	E
20260721.09	0.51	E	3.4	1	NE
20260721.12	0.47	E	3.4	2	N
20260721.15	0.44	E	3.4	3	W
20260721.18	0.44	E	3.3	4	NE
20260721.21	0.44	E	3.3	3	E
20260722.00	0.43	E	3.6	2	SW
20260722.03	0.42	NE	3.8	3	S
20260722.06	0.44	NE	3.5	4	E
20260722.09	0.47	NE	3.2	4	SW
20260722.12	0.46	NE	3.2	4	W
20260722.15	0.43	NE	3.3	3	N
20260722.18	0.40	NE	3.4	2	NW
20260722.21	0.37	NE	3.3	3	SW
20260723.00	0.36	NE	3.1	4	S
20260723.03	0.35	NE	2.8	3	S
20260723.06	0.35	NE	2.7	1	E
20260723.09	0.34	W	2.7	3	SE
20260723.12	0.36	W	2.5	4	E
20260723.15	0.38	W	2.5	3	E
20260723.18	0.37	SW	2.6	1	S
20260723.21	0.37	SW	2.6	4	E
20260724.00	0.40	SW	2.6	5	S
20260724.03	0.43	SW	2.6	4	SW
20260724.06	0.47	W	2.8	2	W
20260724.09	0.47	W	2.9	1	W
20260724.12	0.45	SW	3.0	1	N
20260724.15	0.40	SW	2.9	4	W
20260724.18	0.43	SW	2.6	6	SW
20260724.21	0.46	SW	2.6	5	SW
20260725.00	0.48	SW	2.8	3	W
20260725.03	0.50	SW	2.9	5	W
20260725.06	0.55	SW	2.9	6	SW
20260725.09	0.66	SW	3.0	7	SW
20260725.12	0.88	SW	3.4	8	SW

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

Compiled by: Kurmangalieva A.K.

Checked by: Zhagparova N.N.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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