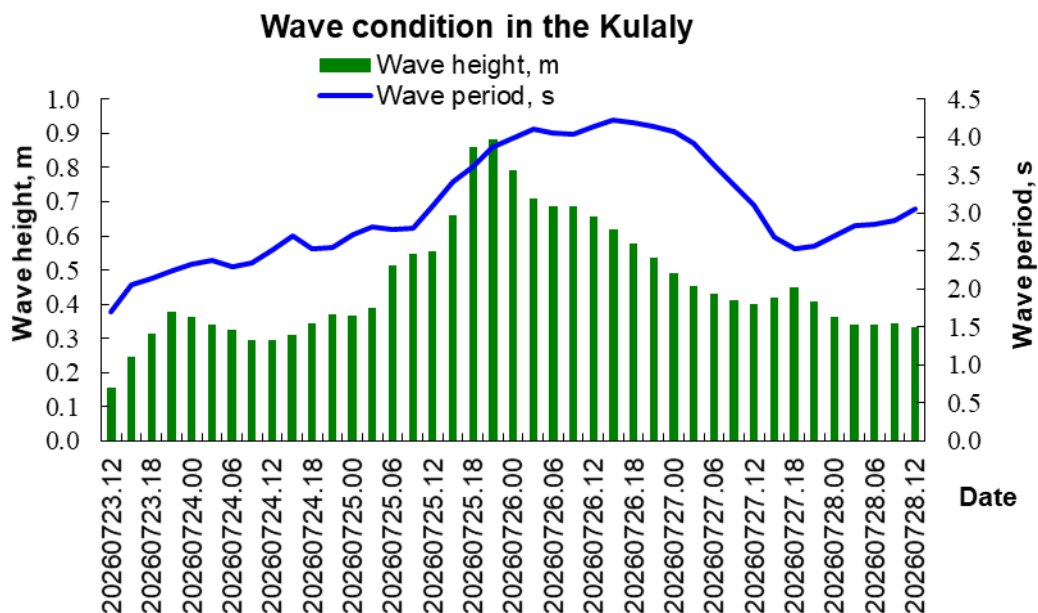
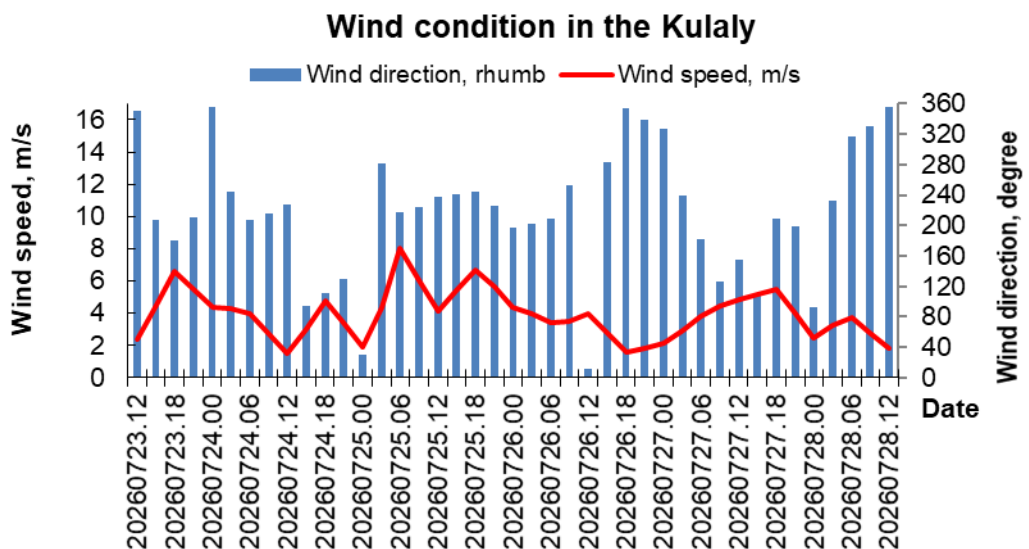




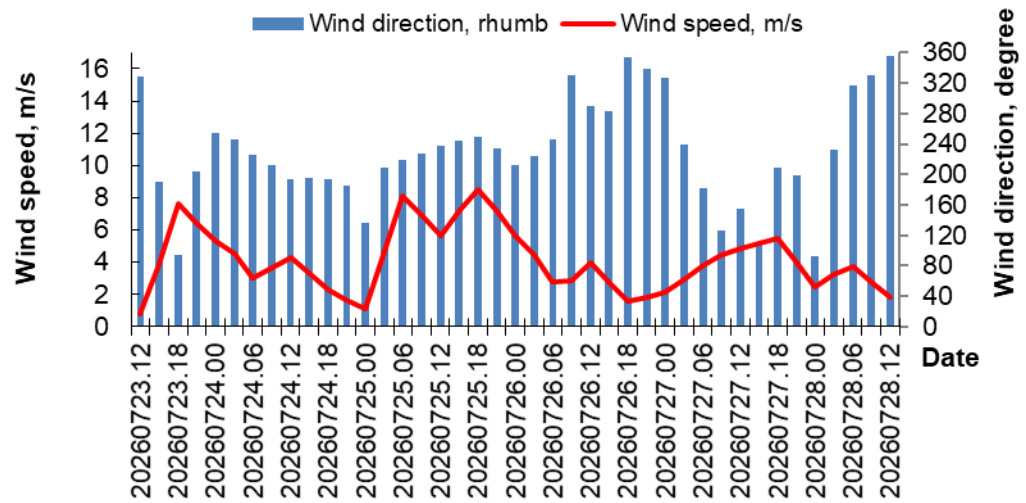
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 23 – 28, 2026 .**

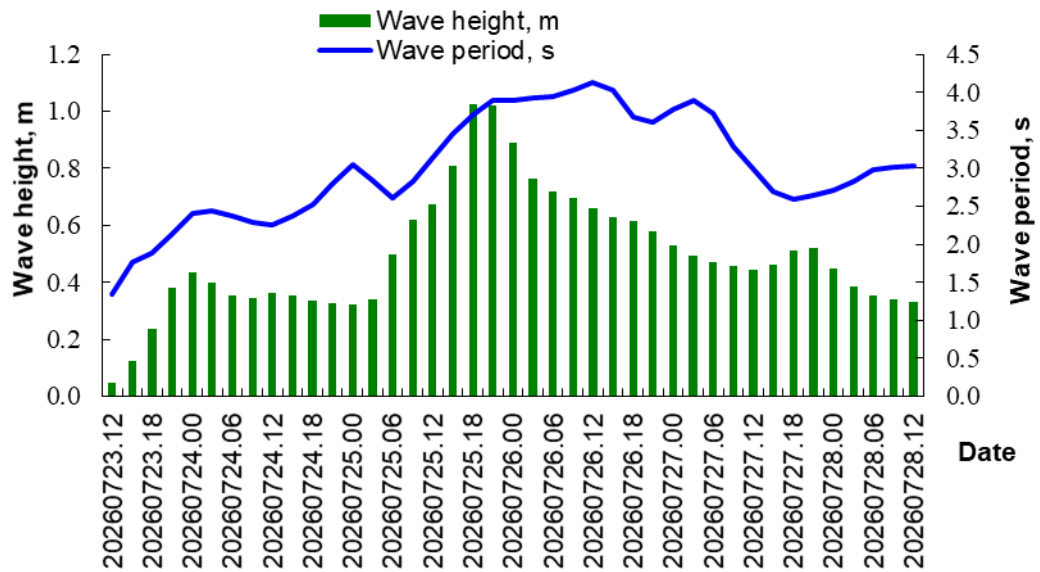


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.16	S	1.7	2	N
20260723.15	0.25	S	2.1	4	SW
20260723.18	0.31	SW	2.1	7	S
20260723.21	0.38	SW	2.2	5	SW
20260724.00	0.36	SW	2.3	4	N
20260724.03	0.34	SW	2.4	4	SW
20260724.06	0.33	SW	2.3	4	SW
20260724.09	0.30	SW	2.3	3	SW
20260724.12	0.30	SW	2.5	2	SW
20260724.15	0.31	SW	2.7	3	E
20260724.18	0.35	SW	2.5	5	E
20260724.21	0.37	SW	2.6	3	SE
20260725.00	0.37	SW	2.7	2	NE
20260725.03	0.39	SW	2.8	4	W
20260725.06	0.51	SW	2.8	8	SW
20260725.09	0.55	SW	2.8	6	SW
20260725.12	0.55	SW	3.1	4	SW
20260725.15	0.66	SW	3.4	5	SW
20260725.18	0.86	SW	3.6	7	SW
20260725.21	0.88	SW	3.9	6	SW
20260726.00	0.79	SW	4.0	4	S
20260726.03	0.71	SW	4.1	4	S
20260726.06	0.69	SW	4.1	3	SW
20260726.09	0.69	SW	4.0	4	W
20260726.12	0.66	SW	4.1	4	N
20260726.15	0.62	SW	4.2	3	W
20260726.18	0.58	SW	4.2	2	N
20260726.21	0.54	SW	4.1	2	N
20260727.00	0.49	SW	4.1	2	NW
20260727.03	0.45	SW	3.9	3	SW
20260727.06	0.43	SW	3.6	4	S
20260727.09	0.41	SW	3.4	4	SE
20260727.12	0.40	SW	3.1	5	SE
20260727.15	0.42	SW	2.7	5	E
20260727.18	0.45	SW	2.5	5	SW
20260727.21	0.41	SW	2.6	4	S
20260728.00	0.36	SW	2.7	2	E
20260728.03	0.34	SW	2.8	3	SW
20260728.06	0.34	SW	2.9	4	NW
20260728.09	0.34	SW	2.9	3	NW
20260728.12	0.33	SW	3.1	2	N

Wind condition in the Fort-Shevchenko

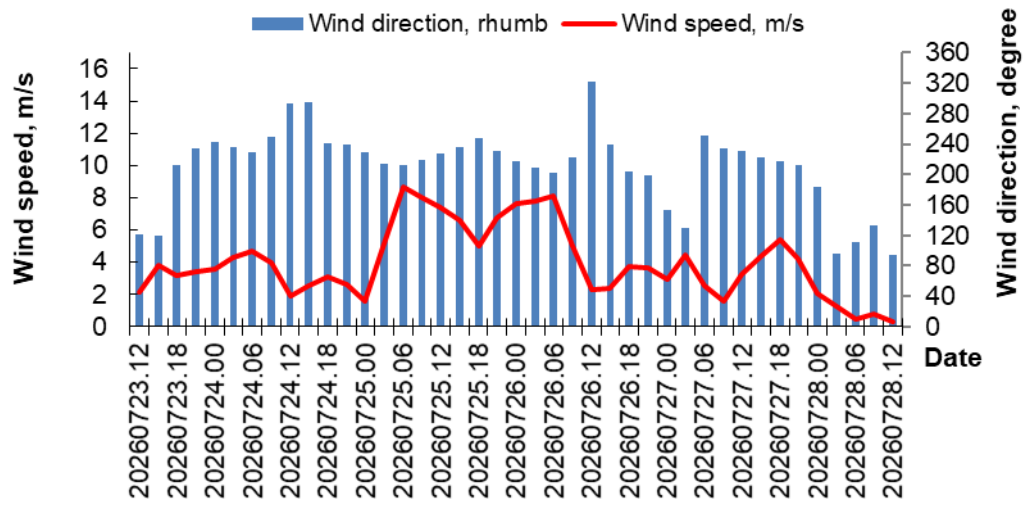


Wave condition in the Fort-Shevchenko

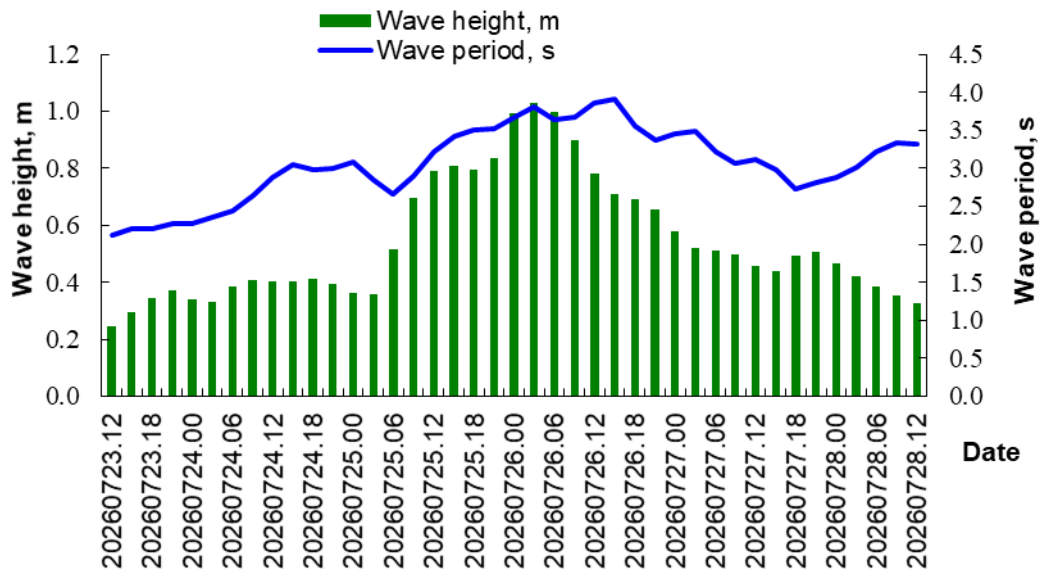


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.04	E	1.3	1	NW
20260723.15	0.12	S	1.8	4	S
20260723.18	0.24	SW	1.9	8	E
20260723.21	0.38	SW	2.1	6	SW
20260724.00	0.44	SW	2.4	5	W
20260724.03	0.40	SW	2.4	5	SW
20260724.06	0.35	SW	2.4	3	SW
20260724.09	0.34	SW	2.3	4	SW
20260724.12	0.36	SW	2.3	4	S
20260724.15	0.35	SW	2.4	3	S
20260724.18	0.34	SW	2.5	2	S
20260724.21	0.33	SW	2.8	2	S
20260725.00	0.32	SW	3.1	1	SE
20260725.03	0.34	SW	2.8	5	SW
20260725.06	0.50	SW	2.6	8	SW
20260725.09	0.62	SW	2.8	7	SW
20260725.12	0.67	SW	3.1	6	SW
20260725.15	0.81	SW	3.4	7	SW
20260725.18	1.03	SW	3.7	9	W
20260725.21	1.02	SW	3.9	7	SW
20260726.00	0.89	SW	3.9	6	SW
20260726.03	0.76	SW	3.9	4	SW
20260726.06	0.72	SW	4.0	3	SW
20260726.09	0.70	SW	4.0	3	NW
20260726.12	0.66	SW	4.1	4	W
20260726.15	0.63	SW	4.0	3	W
20260726.18	0.61	SW	3.7	2	N
20260726.21	0.58	SW	3.6	2	N
20260727.00	0.53	SW	3.8	2	NW
20260727.03	0.50	SW	3.9	3	SW
20260727.06	0.47	SW	3.7	4	S
20260727.09	0.46	SW	3.3	4	SE
20260727.12	0.44	SW	3.0	5	SE
20260727.15	0.46	SW	2.7	5	E
20260727.18	0.51	W	2.6	5	SW
20260727.21	0.52	W	2.6	4	S
20260728.00	0.45	W	2.7	2	E
20260728.03	0.38	SW	2.8	3	SW
20260728.06	0.35	SW	3.0	4	NW
20260728.09	0.34	SW	3.0	3	NW
20260728.12	0.33	SW	3.0	2	N

Wind condition in the Aktau

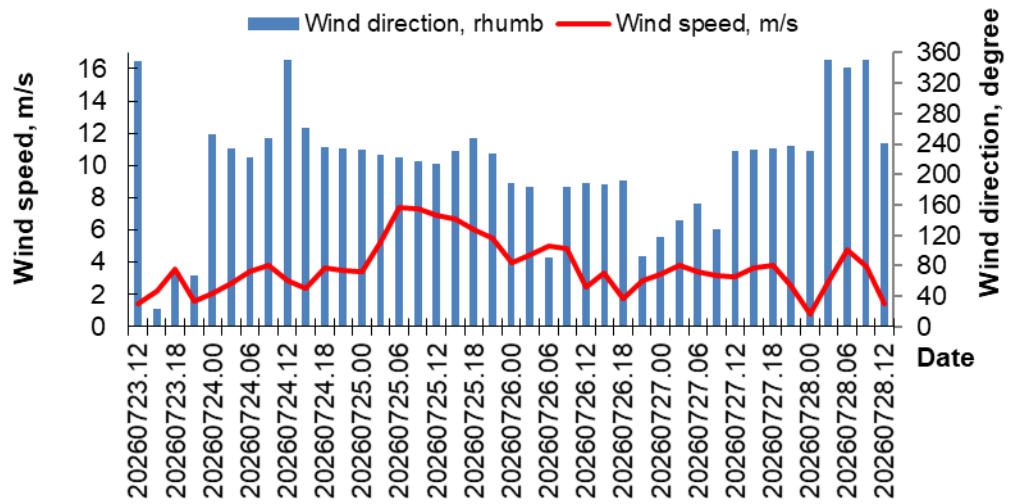


Wave condition in the Aktau

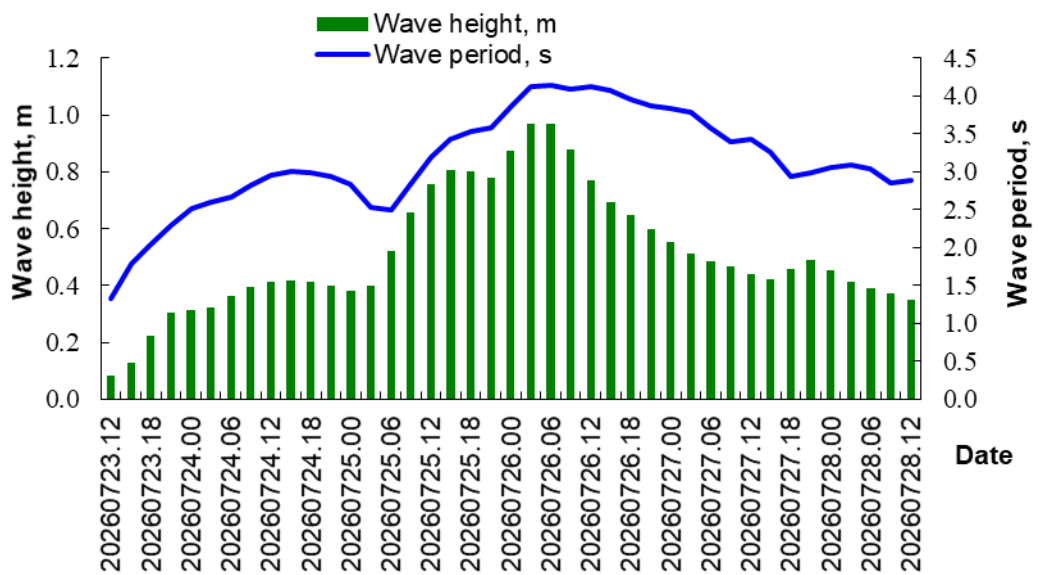


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260723.12	0.24	NW	2.1	2	SE
20260723.15	0.30	NW	2.2	4	SE
20260723.18	0.34	NW	2.2	3	SW
20260723.21	0.37	W	2.3	3	SW
20260724.00	0.34	SW	2.3	4	SW
20260724.03	0.33	SW	2.4	4	SW
20260724.06	0.39	SW	2.4	5	SW
20260724.09	0.41	SW	2.6	4	W
20260724.12	0.40	SW	2.9	2	NW
20260724.15	0.40	SW	3.1	3	NW
20260724.18	0.41	SW	3.0	3	SW
20260724.21	0.39	S	3.0	3	SW
20260725.00	0.36	SW	3.1	2	SW
20260725.03	0.36	SW	2.8	5	SW
20260725.06	0.52	SW	2.7	9	SW
20260725.09	0.70	SW	2.9	8	SW
20260725.12	0.79	SW	3.2	7	SW
20260725.15	0.81	SW	3.4	7	SW
20260725.18	0.80	SW	3.5	5	W
20260725.21	0.84	SW	3.5	7	SW
20260726.00	1.00	SW	3.7	8	SW
20260726.03	1.03	SW	3.8	8	SW
20260726.06	1.00	SW	3.6	8	S
20260726.09	0.90	SW	3.7	5	SW
20260726.12	0.78	SW	3.9	2	NW
20260726.15	0.71	SW	3.9	2	SW
20260726.18	0.69	SW	3.6	4	SW
20260726.21	0.66	SW	3.4	4	S
20260727.00	0.58	SW	3.5	3	SE
20260727.03	0.52	SW	3.5	4	SE
20260727.06	0.51	SW	3.2	3	W
20260727.09	0.50	SW	3.1	2	SW
20260727.12	0.46	SW	3.1	3	SW
20260727.15	0.44	SW	3.0	4	SW
20260727.18	0.49	SW	2.7	5	SW
20260727.21	0.51	SW	2.8	4	SW
20260728.00	0.47	W	2.9	2	S
20260728.03	0.42	W	3.0	1	E
20260728.06	0.38	W	3.2	0	E
20260728.09	0.35	W	3.3	1	SE
20260728.12	0.33	W	3.3	0	E

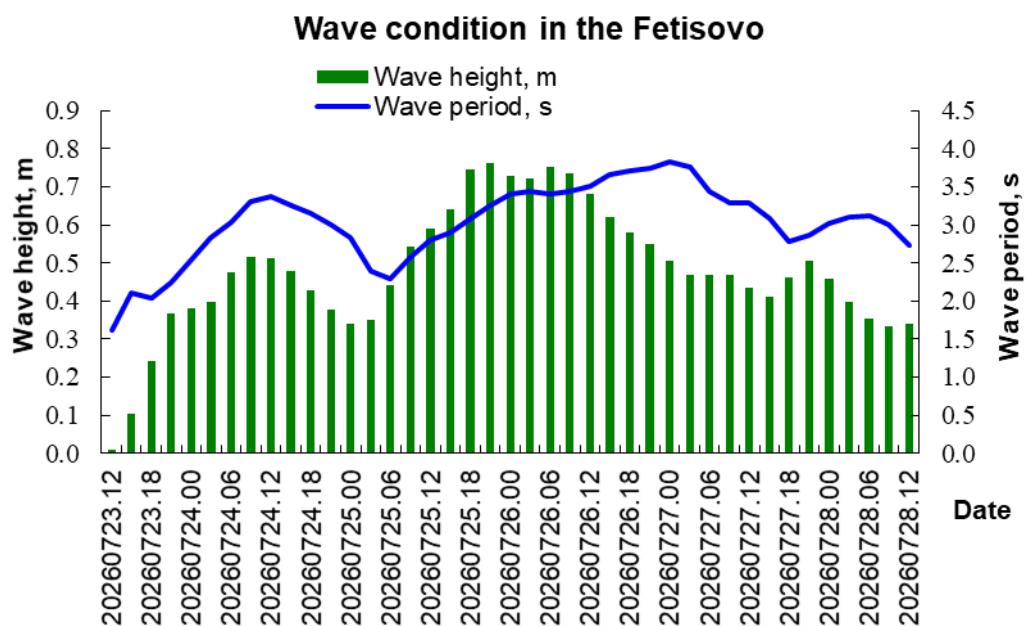
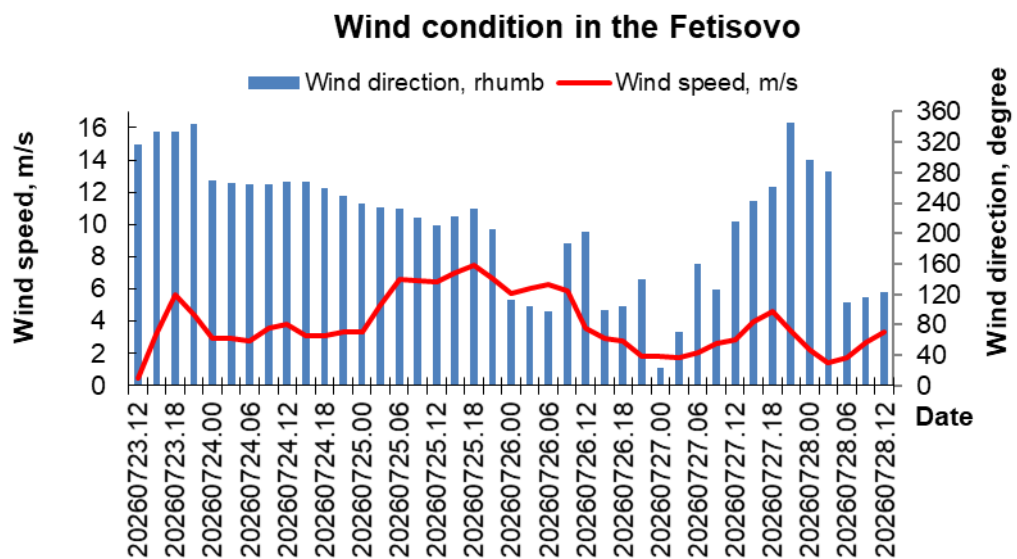
Wind condition in the Peschanyi



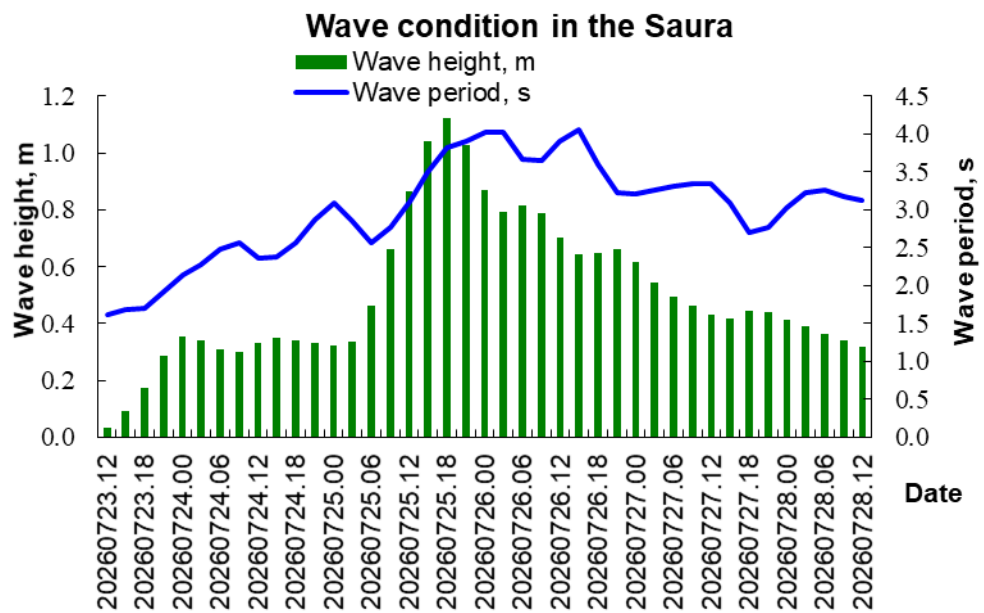
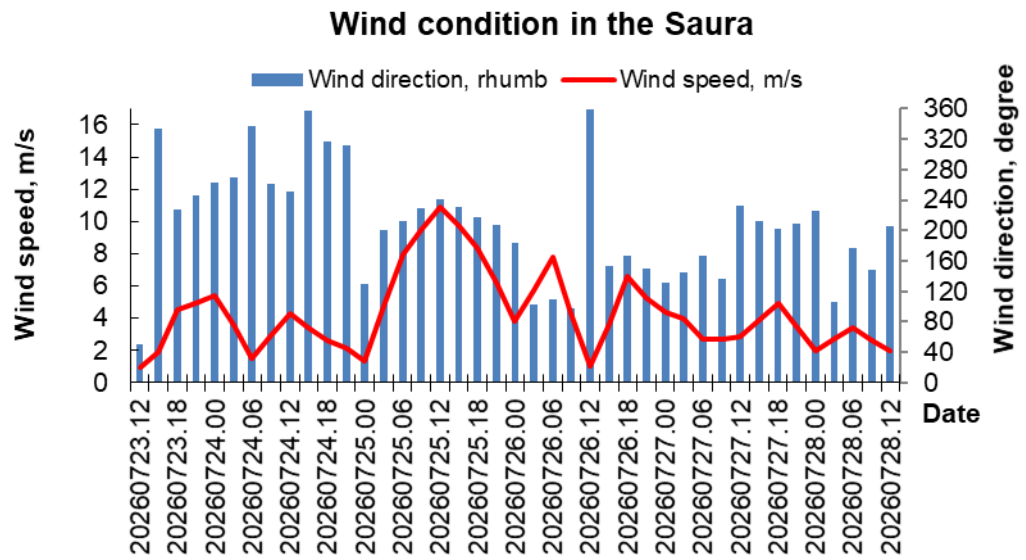
Wave condition in the Peschanyi



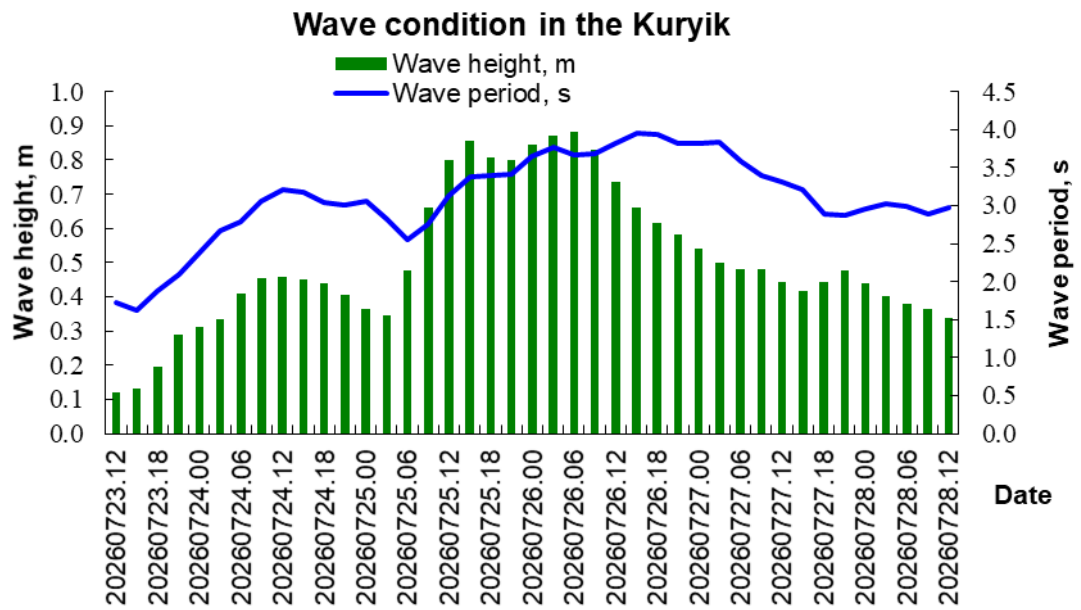
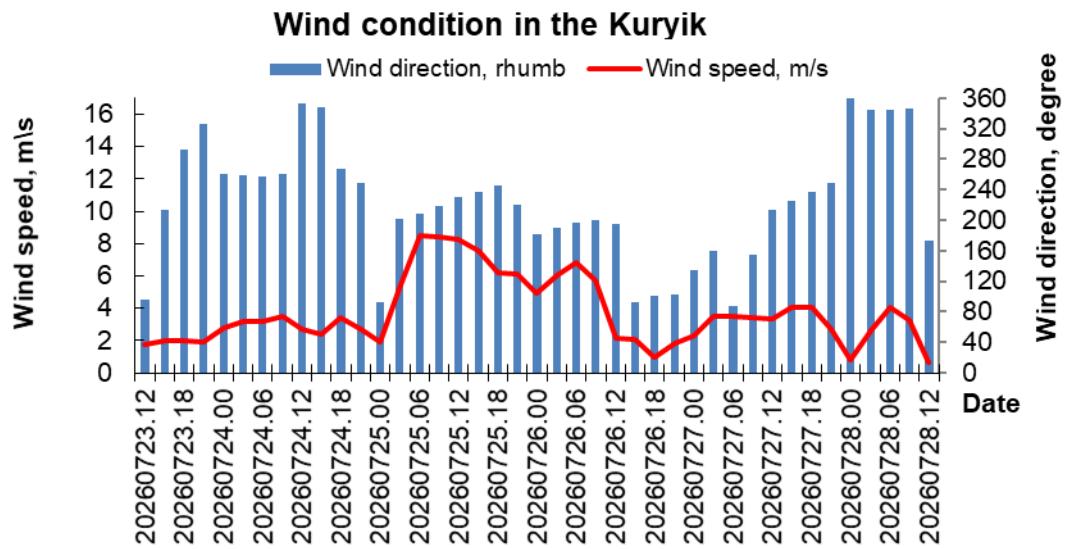
Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.08	S	1.3	1	N
20260723.15	0.13	W	1.8	2	NE
20260723.18	0.22	W	2.0	4	E
20260723.21	0.30	W	2.3	2	E
20260724.00	0.31	W	2.5	2	W
20260724.03	0.32	SW	2.6	3	SW
20260724.06	0.36	SW	2.7	3	SW
20260724.09	0.40	SW	2.8	4	W
20260724.12	0.41	SW	3.0	3	N
20260724.15	0.42	SW	3.0	2	W
20260724.18	0.41	SW	3.0	4	SW
20260724.21	0.40	SW	2.9	4	SW
20260725.00	0.38	SW	2.8	3	SW
20260725.03	0.40	SW	2.5	5	SW
20260725.06	0.52	SW	2.5	7	SW
20260725.09	0.66	SW	2.8	7	SW
20260725.12	0.76	SW	3.2	7	SW
20260725.15	0.81	SW	3.4	7	SW
20260725.18	0.80	SW	3.5	6	W
20260725.21	0.78	SW	3.6	6	SW
20260726.00	0.87	SW	3.9	4	S
20260726.03	0.97	SW	4.1	4	S
20260726.06	0.97	SW	4.1	5	E
20260726.09	0.88	SW	4.1	5	S
20260726.12	0.77	SW	4.1	2	S
20260726.15	0.69	SW	4.1	3	S
20260726.18	0.65	SW	4.0	2	S
20260726.21	0.60	SW	3.9	3	E
20260727.00	0.55	SW	3.8	3	SE
20260727.03	0.51	SW	3.8	4	SE
20260727.06	0.49	SW	3.6	3	S
20260727.09	0.47	SW	3.4	3	SE
20260727.12	0.44	SW	3.4	3	SW
20260727.15	0.42	SW	3.3	4	SW
20260727.18	0.46	SW	2.9	4	SW
20260727.21	0.49	SW	3.0	3	SW
20260728.00	0.45	W	3.1	1	SW
20260728.03	0.41	W	3.1	3	N
20260728.06	0.39	SW	3.0	5	N
20260728.09	0.37	SW	2.9	4	N
20260728.12	0.35	SW	2.9	1	SW



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.01	SE	1.6	0	NW
20260723.15	0.10	S	2.1	3	NW
20260723.18	0.24	S	2.0	6	NW
20260723.21	0.37	S	2.2	4	N
20260724.00	0.38	S	2.5	3	W
20260724.03	0.40	S	2.8	3	W
20260724.06	0.48	SW	3.0	3	W
20260724.09	0.52	SW	3.3	4	W
20260724.12	0.51	SW	3.4	4	W
20260724.15	0.48	SW	3.3	3	W
20260724.18	0.43	SW	3.2	3	W
20260724.21	0.38	SW	3.0	3	W
20260725.00	0.34	SW	2.8	3	SW
20260725.03	0.35	SW	2.4	5	SW
20260725.06	0.44	SW	2.3	7	SW
20260725.09	0.54	SW	2.6	7	SW
20260725.12	0.59	SW	2.8	6	SW
20260725.15	0.64	SW	2.9	7	SW
20260725.18	0.75	SW	3.1	7	SW
20260725.21	0.76	SW	3.3	7	SW
20260726.00	0.73	SW	3.4	6	SE
20260726.03	0.72	W	3.4	6	E
20260726.06	0.75	W	3.4	6	E
20260726.09	0.74	W	3.4	6	S
20260726.12	0.68	W	3.5	4	S
20260726.15	0.62	W	3.7	3	E
20260726.18	0.58	W	3.7	3	E
20260726.21	0.55	SW	3.8	2	SE
20260727.00	0.50	SW	3.8	2	NE
20260727.03	0.47	W	3.8	2	E
20260727.06	0.47	W	3.4	2	S
20260727.09	0.47	W	3.3	3	SE
20260727.12	0.43	W	3.3	3	SW
20260727.15	0.41	W	3.1	4	SW
20260727.18	0.46	W	2.8	5	W
20260727.21	0.51	W	2.9	3	N
20260728.00	0.46	W	3.0	2	NW
20260728.03	0.40	W	3.1	1	W
20260728.06	0.35	W	3.1	2	E
20260728.09	0.33	W	3.0	3	SE
20260728.12	0.34	W	2.7	3	SE



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.03	NE	1.6	1	NE
20260723.15	0.09	SE	1.7	2	NW
20260723.18	0.17	SW	1.7	5	SW
20260723.21	0.29	SW	1.9	5	SW
20260724.00	0.36	SW	2.1	5	W
20260724.03	0.34	SW	2.3	4	W
20260724.06	0.31	SW	2.5	1	NW
20260724.09	0.30	SW	2.6	3	W
20260724.12	0.33	SW	2.4	4	W
20260724.15	0.35	SW	2.4	3	N
20260724.18	0.34	SW	2.6	3	NW
20260724.21	0.33	SW	2.9	2	NW
20260725.00	0.32	SW	3.1	1	SE
20260725.03	0.34	SW	2.8	5	S
20260725.06	0.46	SW	2.6	8	SW
20260725.09	0.66	SW	2.8	9	SW
20260725.12	0.86	SW	3.1	11	SW
20260725.15	1.04	SW	3.5	10	SW
20260725.18	1.12	SW	3.8	8	SW
20260725.21	1.03	SW	3.9	6	SW
20260726.00	0.87	SW	4.0	4	S
20260726.03	0.79	SW	4.0	6	E
20260726.06	0.82	SW	3.7	8	E
20260726.09	0.79	SW	3.7	4	E
20260726.12	0.70	SW	3.9	1	N
20260726.15	0.65	SW	4.1	4	SE
20260726.18	0.65	SW	3.6	7	S
20260726.21	0.66	W	3.2	5	SE
20260727.00	0.62	W	3.2	4	SE
20260727.03	0.54	W	3.3	4	SE
20260727.06	0.49	SW	3.3	3	S
20260727.09	0.46	SW	3.3	3	SE
20260727.12	0.43	SW	3.3	3	SW
20260727.15	0.42	SW	3.1	4	SW
20260727.18	0.44	SW	2.7	5	S
20260727.21	0.44	SW	2.8	3	SW
20260728.00	0.41	SW	3.0	2	SW
20260728.03	0.39	SW	3.2	3	E
20260728.06	0.36	SW	3.3	3	S
20260728.09	0.34	SW	3.2	3	SE
20260728.12	0.32	SW	3.1	2	SW



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260723.12	0.12	W	1.7	2	E
20260723.15	0.13	W	1.6	2	SW
20260723.18	0.19	W	1.9	2	NW
20260723.21	0.29	SW	2.1	2	NW
20260724.00	0.31	SW	2.4	3	W
20260724.03	0.34	SW	2.7	3	W
20260724.06	0.41	SW	2.8	3	W
20260724.09	0.45	SW	3.1	4	W
20260724.12	0.46	SW	3.2	3	N
20260724.15	0.45	SW	3.2	2	N
20260724.18	0.44	SW	3.0	3	W
20260724.21	0.41	SW	3.0	3	W
20260725.00	0.36	SW	3.1	2	E
20260725.03	0.35	SW	2.8	5	S
20260725.06	0.48	SW	2.6	8	SW
20260725.09	0.66	SW	2.8	8	SW
20260725.12	0.80	SW	3.1	8	SW
20260725.15	0.86	SW	3.4	8	SW
20260725.18	0.81	SW	3.4	6	SW
20260725.21	0.80	SW	3.4	6	SW
20260726.00	0.85	SW	3.6	5	S
20260726.03	0.87	SW	3.8	6	S
20260726.06	0.88	SW	3.7	7	S
20260726.09	0.83	SW	3.7	6	S
20260726.12	0.74	SW	3.8	2	S
20260726.15	0.66	SW	4.0	2	E
20260726.18	0.61	SW	3.9	1	E
20260726.21	0.58	SW	3.8	2	E
20260727.00	0.54	SW	3.8	2	SE
20260727.03	0.50	SW	3.8	4	S
20260727.06	0.48	SW	3.6	3	E
20260727.09	0.48	SW	3.4	3	SE
20260727.12	0.44	W	3.3	3	SW
20260727.15	0.42	SW	3.2	4	SW
20260727.18	0.44	SW	2.9	4	SW
20260727.21	0.48	W	2.9	3	W
20260728.00	0.44	W	3.0	1	N
20260728.03	0.40	W	3.0	3	N
20260728.06	0.38	W	3.0	4	N
20260728.09	0.37	SW	2.9	3	N
20260728.12	0.34	W	3.0	1	S

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

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Checked by: Zhagparova N.N.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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