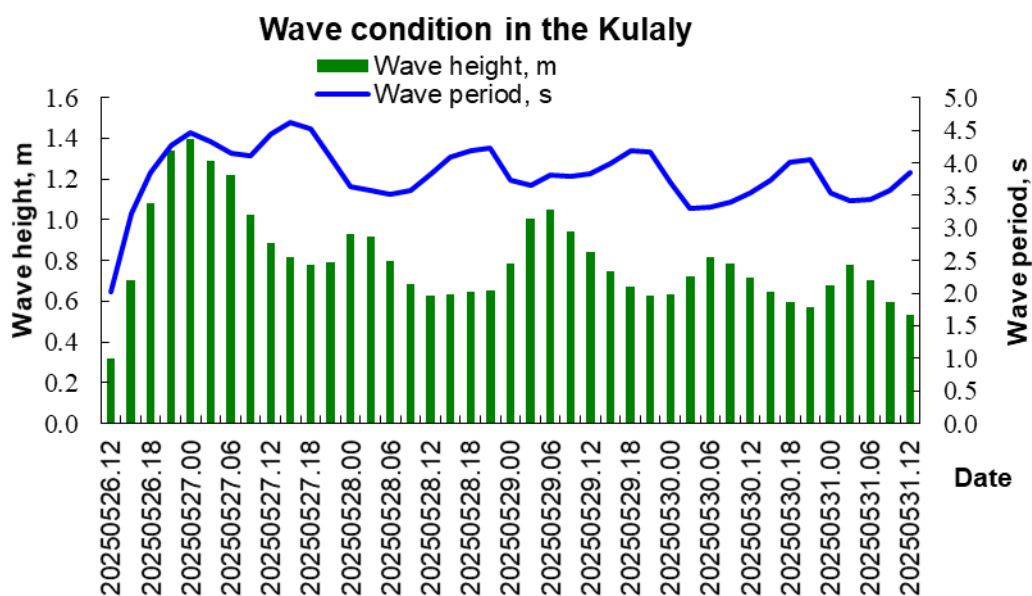
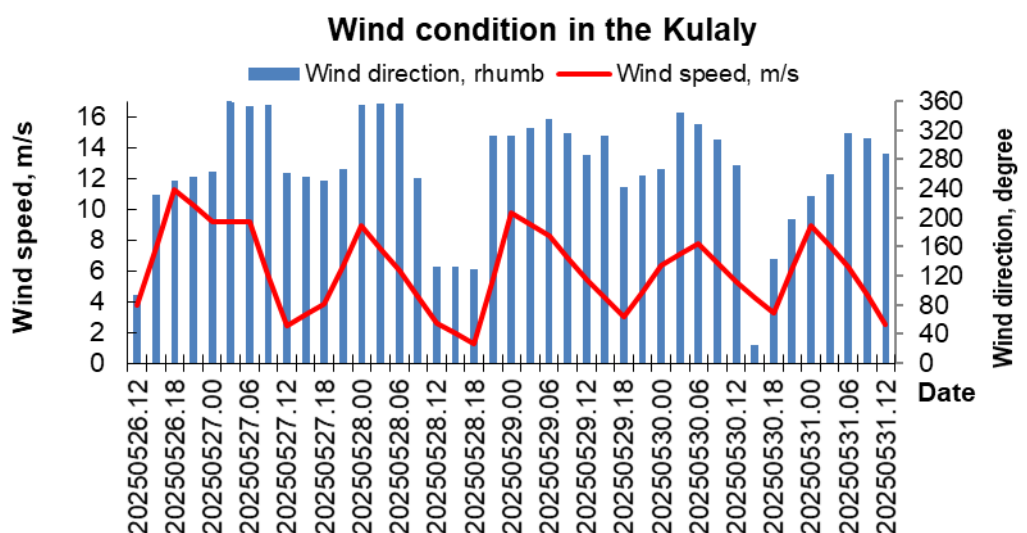




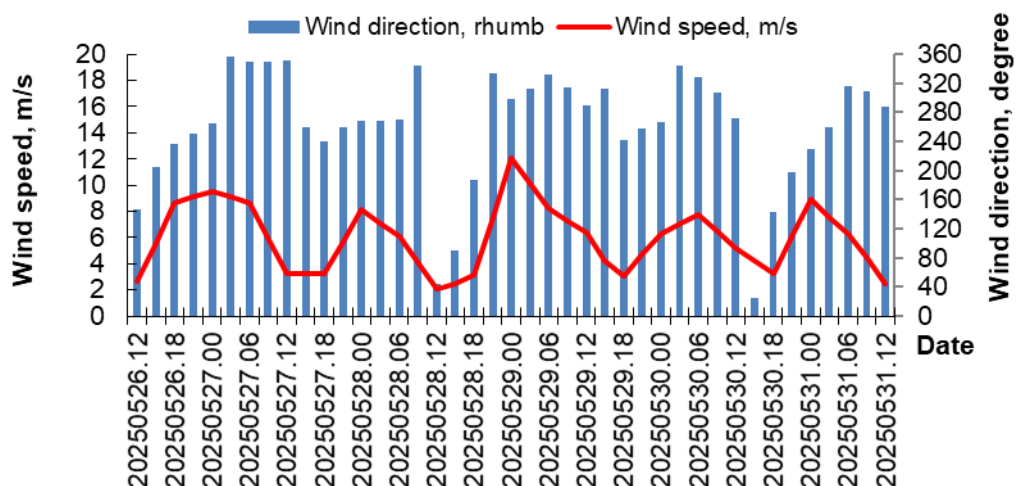
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period May 26 - 31, 2025.**

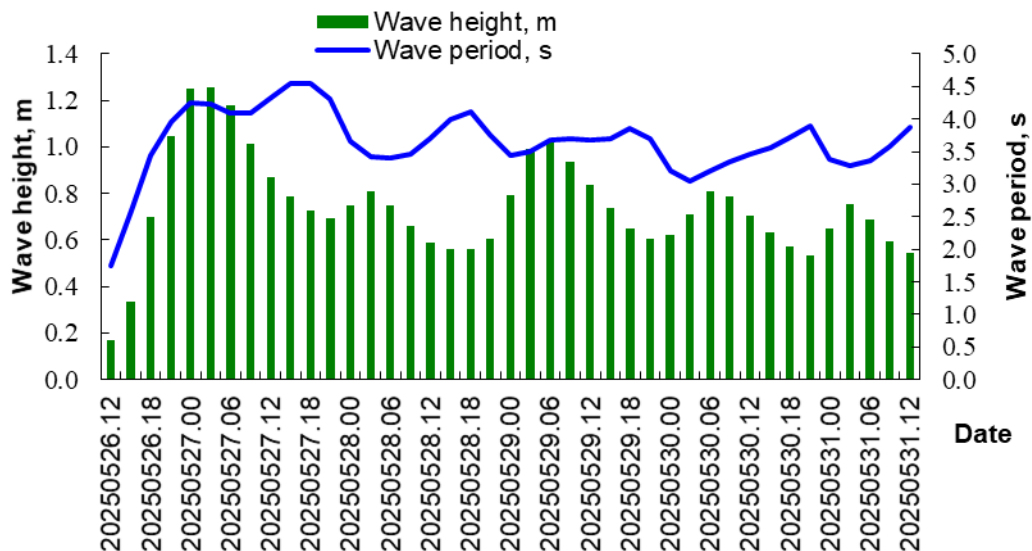


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.32	W	2.0	4	E
20250526.15	0.70	W	3.2	8	SW
20250526.18	1.08	SW	3.8	11	W
20250526.21	1.34	SW	4.3	10	W
20250527.00	1.40	SW	4.5	9	W
20250527.03	1.29	SW	4.3	9	N
20250527.06	1.22	S	4.1	9	N
20250527.09	1.03	S	4.1	6	N
20250527.12	0.88	S	4.4	2	W
20250527.15	0.82	S	4.6	3	W
20250527.18	0.78	S	4.5	4	W
20250527.21	0.79	S	4.1	6	W
20250528.00	0.93	S	3.6	9	N
20250528.03	0.92	S	3.6	7	N
20250528.06	0.80	S	3.5	6	N
20250528.09	0.69	S	3.6	4	W
20250528.12	0.63	S	3.8	3	SE
20250528.15	0.63	S	4.1	2	SE
20250528.18	0.65	SW	4.2	1	SE
20250528.21	0.66	SW	4.2	5	NW
20250529.00	0.78	S	3.7	10	NW
20250529.03	1.00	S	3.7	9	NW
20250529.06	1.05	S	3.8	8	NW
20250529.09	0.94	S	3.8	7	NW
20250529.12	0.84	SE	3.8	5	W
20250529.15	0.75	SE	4.0	4	NW
20250529.18	0.67	S	4.2	3	SW
20250529.21	0.63	S	4.2	5	W
20250530.00	0.63	S	3.7	6	W
20250530.03	0.72	S	3.3	7	N
20250530.06	0.82	S	3.3	8	NW
20250530.09	0.79	SE	3.4	7	NW
20250530.12	0.71	SE	3.5	5	W
20250530.15	0.65	SE	3.7	4	NE
20250530.18	0.59	SE	4.0	3	SE
20250530.21	0.57	S	4.0	6	S
20250531.00	0.68	S	3.5	9	SW
20250531.03	0.78	S	3.4	8	W
20250531.06	0.70	S	3.4	6	NW
20250531.09	0.60	S	3.6	4	NW
20250531.12	0.54	S	3.8	3	W

Wind condition in the Fort-Shevchenko

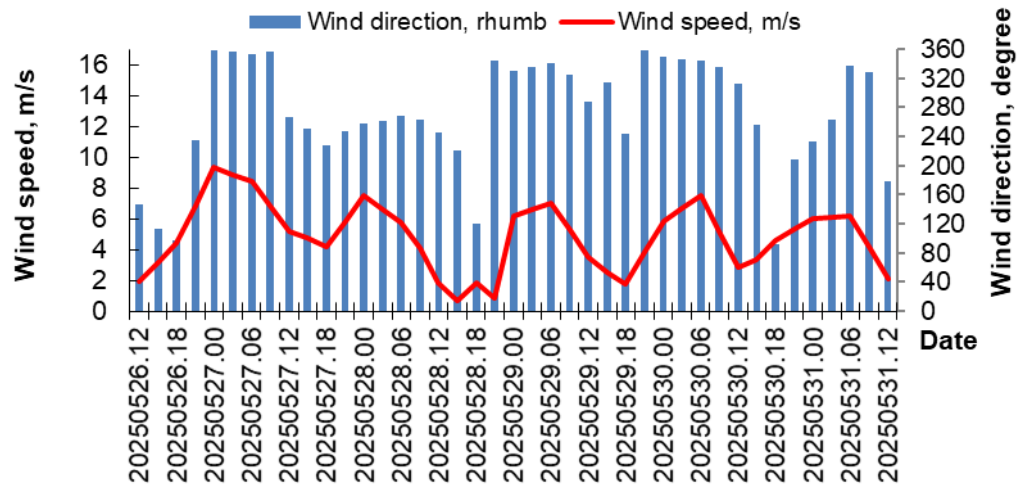


Wave condition in the Fort-Shevchenko

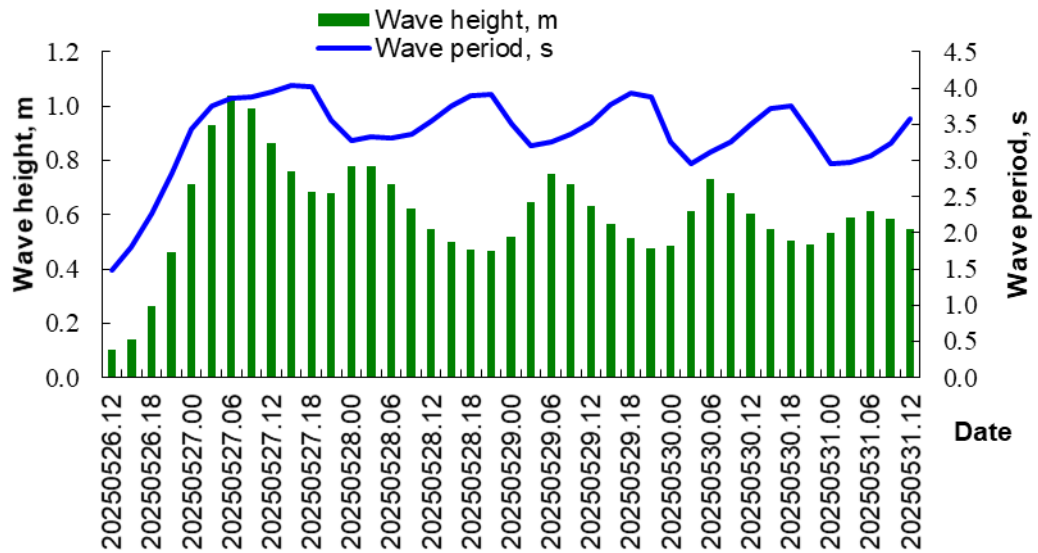


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.17	NW	1.7	3	SE
20250526.15	0.33	W	2.6	6	SW
20250526.18	0.70	SW	3.4	9	SW
20250526.21	1.05	SW	3.9	9	W
20250527.00	1.25	SW	4.2	10	W
20250527.03	1.25	SW	4.2	9	N
20250527.06	1.18	SW	4.1	9	N
20250527.09	1.01	S	4.1	6	N
20250527.12	0.87	S	4.3	3	N
20250527.15	0.79	SW	4.5	3	W
20250527.18	0.73	SW	4.5	3	SW
20250527.21	0.69	SW	4.3	6	W
20250528.00	0.75	S	3.7	8	W
20250528.03	0.81	S	3.4	7	W
20250528.06	0.75	S	3.4	6	W
20250528.09	0.66	S	3.5	4	N
20250528.12	0.59	S	3.7	2	NE
20250528.15	0.56	S	4.0	2	E
20250528.18	0.56	SW	4.1	3	S
20250528.21	0.61	S	3.8	8	NW
20250529.00	0.79	S	3.4	12	NW
20250529.03	0.99	S	3.5	10	NW
20250529.06	1.02	S	3.7	8	NW
20250529.09	0.94	S	3.7	7	NW
20250529.12	0.84	SE	3.7	6	W
20250529.15	0.74	S	3.7	4	NW
20250529.18	0.65	S	3.9	3	SW
20250529.21	0.60	S	3.7	5	W
20250530.00	0.62	S	3.2	6	W
20250530.03	0.71	S	3.1	7	N
20250530.06	0.81	S	3.2	8	NW
20250530.09	0.79	SE	3.3	7	NW
20250530.12	0.71	SE	3.5	5	W
20250530.15	0.63	SE	3.6	4	NE
20250530.18	0.57	SE	3.7	3	SE
20250530.21	0.54	S	3.9	6	S
20250531.00	0.65	S	3.4	9	SW
20250531.03	0.75	S	3.3	8	W
20250531.06	0.69	S	3.4	6	NW
20250531.09	0.60	S	3.6	4	NW
20250531.12	0.54	S	3.9	3	W

Wind condition in the Aktau

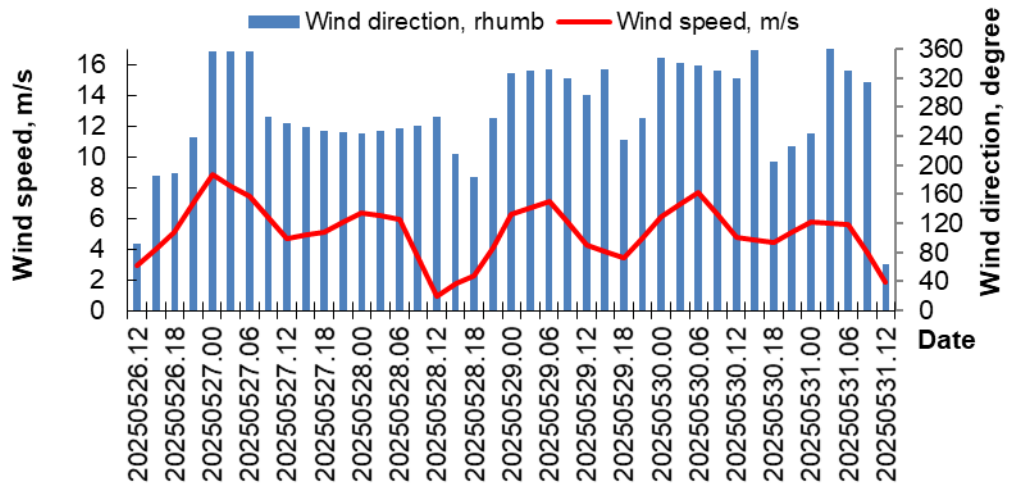


Wave condition in the Aktau

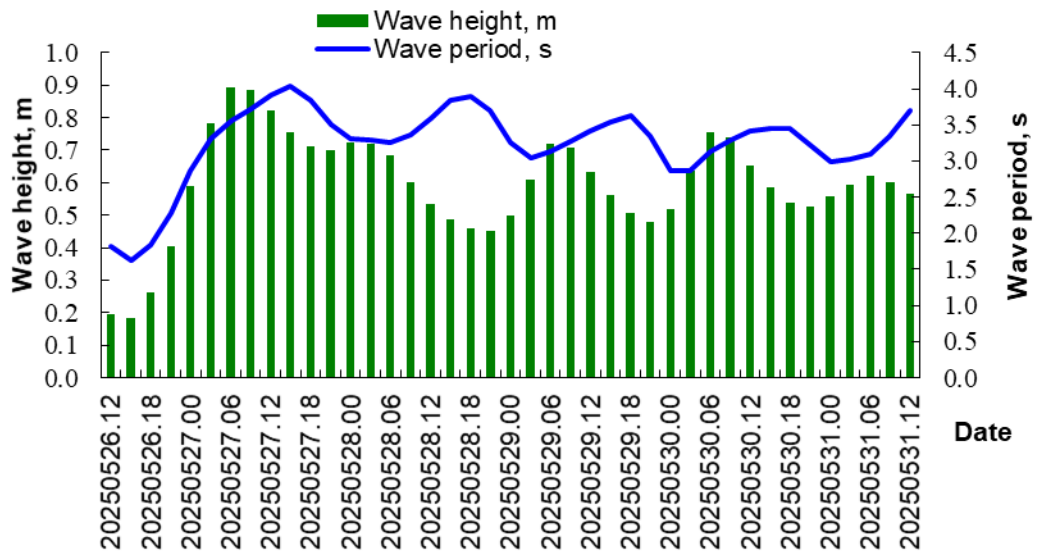


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20250526.12	0.10	NW	1.5	2	SE
20250526.15	0.14	NW	1.8	3	SE
20250526.18	0.26	W	2.3	4	E
20250526.21	0.46	W	2.8	7	SW
20250527.00	0.71	SW	3.4	9	N
20250527.03	0.93	SW	3.8	9	N
20250527.06	1.04	SW	3.9	8	N
20250527.09	0.99	SW	3.9	7	N
20250527.12	0.87	SW	3.9	5	W
20250527.15	0.76	SW	4.0	5	W
20250527.18	0.69	SW	4.0	4	SW
20250527.21	0.68	SW	3.6	6	SW
20250528.00	0.78	S	3.3	7	W
20250528.03	0.78	S	3.3	7	W
20250528.06	0.71	S	3.3	6	W
20250528.09	0.62	SW	3.4	4	W
20250528.12	0.55	SW	3.5	2	SW
20250528.15	0.50	SW	3.7	1	SW
20250528.18	0.47	SW	3.9	2	SE
20250528.21	0.47	SW	3.9	1	N
20250529.00	0.52	SW	3.5	6	NW
20250529.03	0.64	S	3.2	7	NW
20250529.06	0.75	S	3.3	7	N
20250529.09	0.71	S	3.4	5	NW
20250529.12	0.63	S	3.5	4	W
20250529.15	0.57	S	3.8	3	NW
20250529.18	0.51	S	3.9	2	SW
20250529.21	0.48	S	3.9	4	N
20250530.00	0.49	S	3.3	6	N
20250530.03	0.61	S	2.9	7	N
20250530.06	0.73	S	3.1	8	N
20250530.09	0.68	S	3.2	5	NW
20250530.12	0.60	S	3.5	3	NW
20250530.15	0.55	S	3.7	3	W
20250530.18	0.50	S	3.7	5	E
20250530.21	0.49	S	3.4	5	SW
20250531.00	0.53	S	3.0	6	SW
20250531.03	0.59	S	3.0	6	W
20250531.06	0.61	S	3.1	6	NW
20250531.09	0.58	S	3.2	4	NW
20250531.12	0.55	S	3.6	2	S

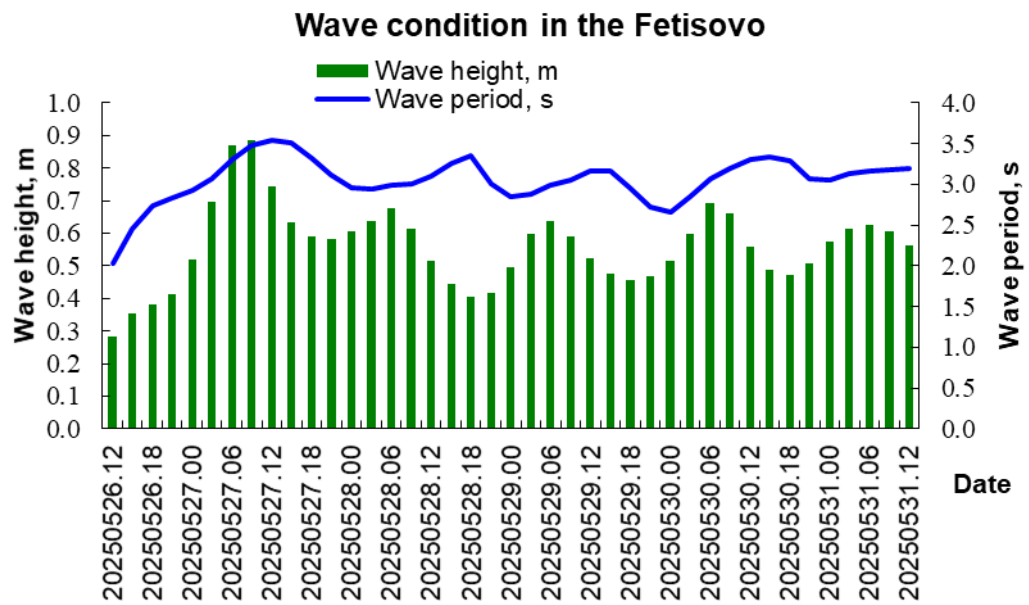
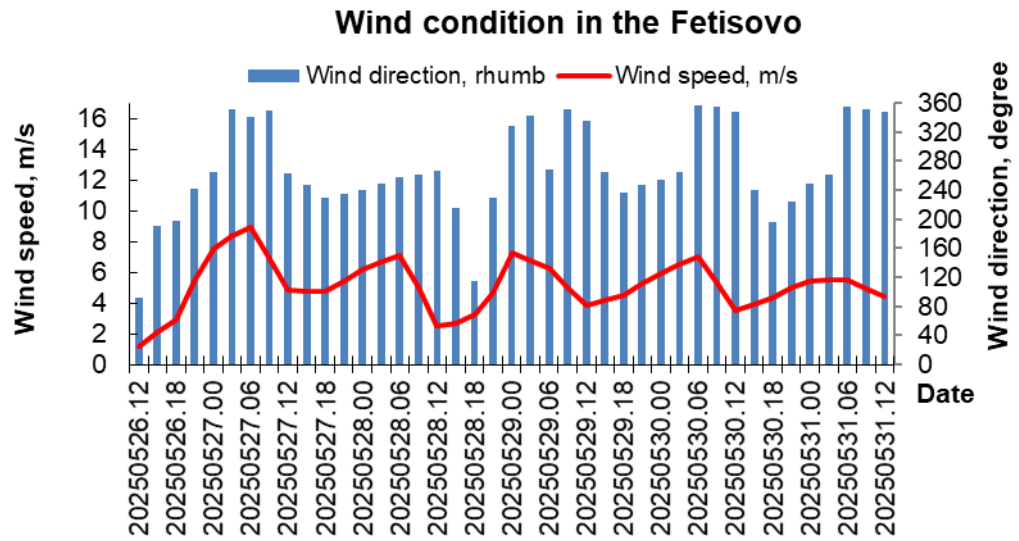
Wind condition in the Peschanyi



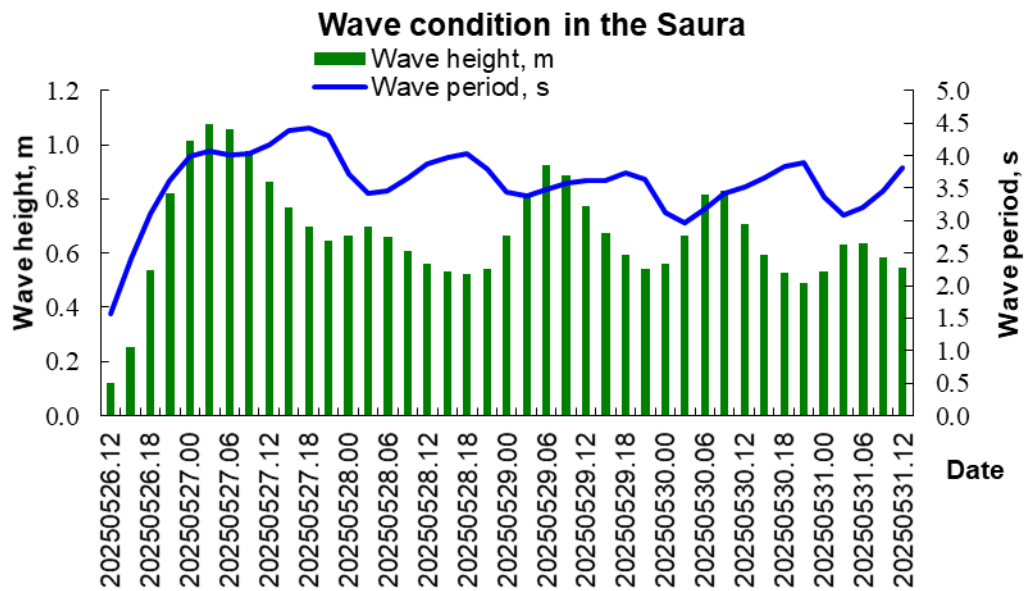
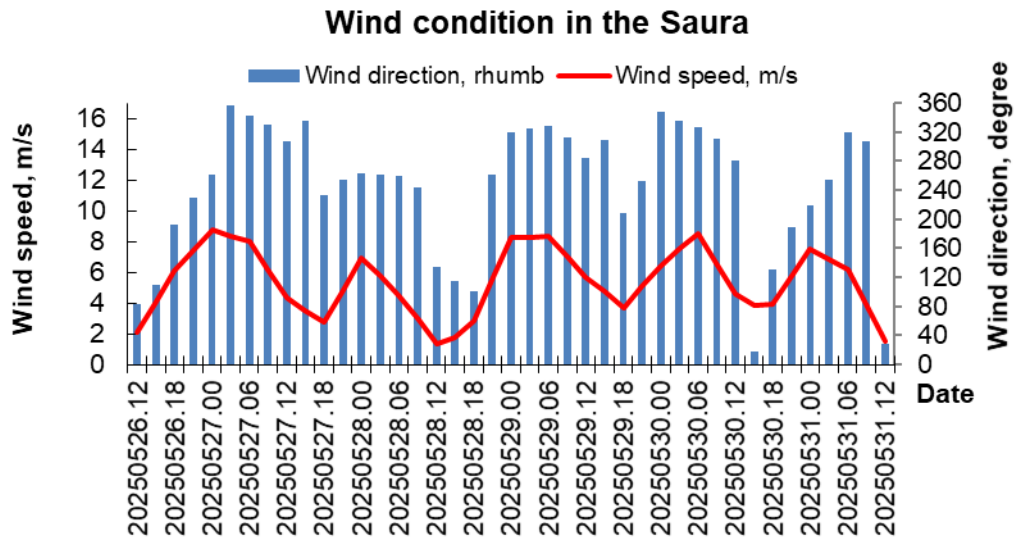
Wave condition in the Peschanyi



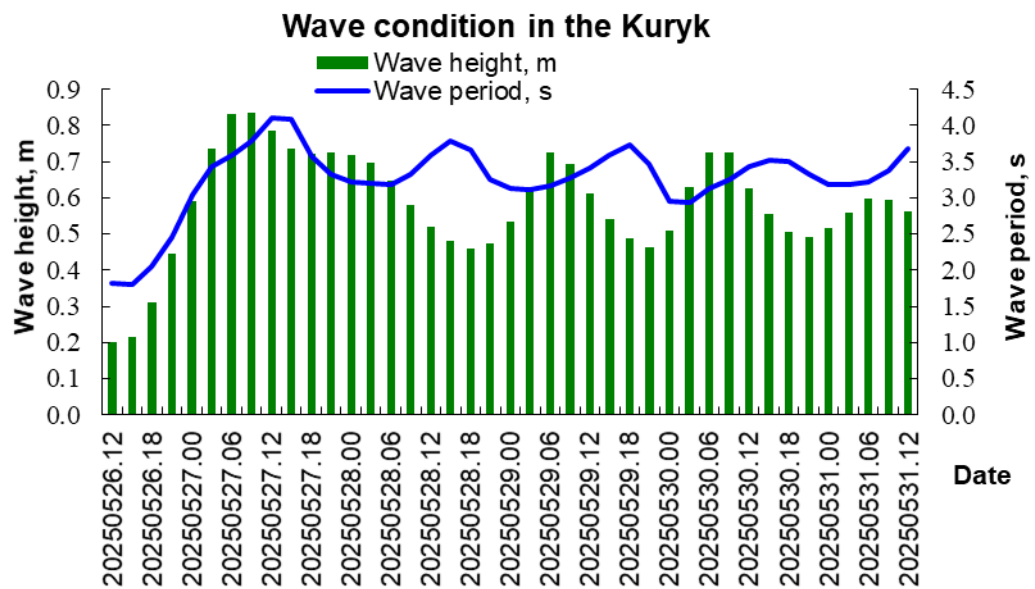
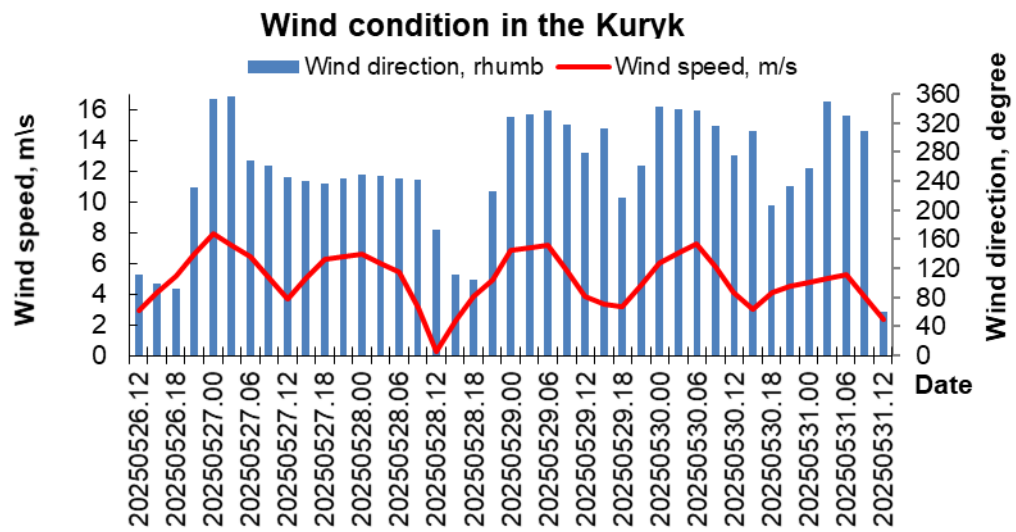
Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.19	W	1.8	3	E
20250526.15	0.18	W	1.6	4	S
20250526.18	0.26	W	1.8	5	S
20250526.21	0.40	W	2.3	7	SW
20250527.00	0.59	SW	2.9	9	N
20250527.03	0.78	SW	3.3	8	N
20250527.06	0.89	SW	3.6	7	N
20250527.09	0.89	SW	3.7	6	W
20250527.12	0.82	SW	3.9	5	W
20250527.15	0.76	SW	4.0	5	W
20250527.18	0.71	SW	3.8	5	W
20250527.21	0.70	SW	3.5	6	SW
20250528.00	0.72	SW	3.3	6	SW
20250528.03	0.72	SW	3.3	6	W
20250528.06	0.68	SW	3.3	6	W
20250528.09	0.60	SW	3.4	4	W
20250528.12	0.53	SW	3.6	1	W
20250528.15	0.49	SW	3.8	2	SW
20250528.18	0.46	SW	3.9	2	S
20250528.21	0.45	SW	3.7	4	W
20250529.00	0.50	SW	3.3	6	NW
20250529.03	0.61	S	3.0	7	NW
20250529.06	0.72	S	3.1	7	NW
20250529.09	0.71	S	3.3	6	NW
20250529.12	0.63	S	3.4	4	NW
20250529.15	0.56	S	3.5	4	NW
20250529.18	0.51	S	3.6	3	SW
20250529.21	0.48	S	3.4	5	W
20250530.00	0.52	S	2.9	6	N
20250530.03	0.64	S	2.9	7	N
20250530.06	0.76	S	3.1	8	NW
20250530.09	0.74	S	3.3	6	NW
20250530.12	0.65	S	3.4	5	NW
20250530.15	0.59	S	3.4	5	N
20250530.18	0.54	S	3.4	4	SW
20250530.21	0.52	S	3.2	5	SW
20250531.00	0.56	S	3.0	6	SW
20250531.03	0.59	S	3.0	6	N
20250531.06	0.62	S	3.1	6	NW
20250531.09	0.60	S	3.3	4	NW
20250531.12	0.57	S	3.7	2	NE



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.28	W	2.0	1	E
20250526.15	0.36	NW	2.5	2	S
20250526.18	0.38	W	2.7	3	S
20250526.21	0.41	W	2.8	5	SW
20250527.00	0.52	SW	2.9	8	W
20250527.03	0.70	SW	3.1	8	N
20250527.06	0.87	S	3.3	9	N
20250527.09	0.88	S	3.5	7	N
20250527.12	0.74	S	3.5	5	W
20250527.15	0.63	SW	3.5	5	SW
20250527.18	0.59	SW	3.3	5	SW
20250527.21	0.58	SW	3.1	5	SW
20250528.00	0.61	SW	3.0	6	SW
20250528.03	0.64	SW	2.9	7	W
20250528.06	0.68	SW	3.0	7	W
20250528.09	0.61	SW	3.0	5	W
20250528.12	0.52	SW	3.1	3	W
20250528.15	0.45	SW	3.3	3	SW
20250528.18	0.41	SW	3.4	3	SE
20250528.21	0.42	SW	3.0	5	SW
20250529.00	0.49	SW	2.8	7	NW
20250529.03	0.60	S	2.9	7	N
20250529.06	0.64	S	3.0	6	W
20250529.09	0.59	S	3.1	5	N
20250529.12	0.52	S	3.2	4	NW
20250529.15	0.48	S	3.2	4	W
20250529.18	0.46	S	3.0	5	SW
20250529.21	0.47	S	2.7	5	SW
20250530.00	0.52	S	2.7	6	W
20250530.03	0.60	S	2.8	6	W
20250530.06	0.69	S	3.1	7	N
20250530.09	0.66	S	3.2	5	N
20250530.12	0.56	S	3.3	4	N
20250530.15	0.49	S	3.3	4	SW
20250530.18	0.47	S	3.3	4	S
20250530.21	0.51	S	3.1	5	SW
20250531.00	0.57	S	3.0	5	W
20250531.03	0.61	S	3.1	5	W
20250531.06	0.63	S	3.2	6	N
20250531.09	0.61	S	3.2	5	N
20250531.12	0.56	S	3.2	4	N



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.12	N	1.6	2	E
20250526.15	0.25	W	2.4	4	E
20250526.18	0.54	W	3.1	6	S
20250526.21	0.82	SW	3.6	7	SW
20250527.00	1.02	SW	4.0	9	W
20250527.03	1.08	SW	4.1	8	N
20250527.06	1.06	SW	4.0	8	N
20250527.09	0.98	SW	4.0	6	NW
20250527.12	0.87	S	4.2	4	NW
20250527.15	0.77	SW	4.4	4	NW
20250527.18	0.70	SW	4.4	3	SW
20250527.21	0.65	SW	4.3	5	W
20250528.00	0.66	SW	3.7	7	W
20250528.03	0.70	S	3.4	6	W
20250528.06	0.66	S	3.5	5	W
20250528.09	0.61	S	3.6	3	SW
20250528.12	0.56	S	3.9	1	SE
20250528.15	0.53	SW	4.0	2	SE
20250528.18	0.52	SW	4.0	3	E
20250528.21	0.54	SW	3.8	6	W
20250529.00	0.66	S	3.4	8	NW
20250529.03	0.82	S	3.4	8	NW
20250529.06	0.93	S	3.5	8	NW
20250529.09	0.89	S	3.6	7	NW
20250529.12	0.77	S	3.6	6	W
20250529.15	0.67	S	3.6	5	NW
20250529.18	0.59	S	3.7	4	SW
20250529.21	0.54	S	3.6	5	W
20250530.00	0.56	S	3.1	6	N
20250530.03	0.67	S	3.0	8	NW
20250530.06	0.82	S	3.2	9	NW
20250530.09	0.83	SE	3.4	7	NW
20250530.12	0.71	SE	3.5	5	W
20250530.15	0.59	SE	3.6	4	N
20250530.18	0.53	S	3.8	4	SE
20250530.21	0.49	S	3.9	6	S
20250531.00	0.53	S	3.4	7	SW
20250531.03	0.63	S	3.1	7	W
20250531.06	0.64	S	3.2	6	NW
20250531.09	0.59	S	3.5	4	NW
20250531.12	0.55	S	3.8	1	NE



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20250526.12	0.20	W	1.8	3	E
20250526.15	0.21	W	1.8	4	E
20250526.18	0.31	W	2.0	5	E
20250526.21	0.45	W	2.5	7	SW
20250527.00	0.59	SW	3.0	8	N
20250527.03	0.74	SW	3.4	7	N
20250527.06	0.83	SW	3.6	6	W
20250527.09	0.83	SW	3.8	5	W
20250527.12	0.79	SW	4.1	4	SW
20250527.15	0.74	SW	4.1	5	SW
20250527.18	0.72	SW	3.6	6	SW
20250527.21	0.72	SW	3.3	6	SW
20250528.00	0.72	SW	3.2	7	W
20250528.03	0.70	SW	3.2	6	SW
20250528.06	0.65	SW	3.2	5	SW
20250528.09	0.58	SW	3.3	3	SW
20250528.12	0.52	SW	3.6	0	S
20250528.15	0.48	SW	3.8	2	E
20250528.18	0.46	SW	3.7	4	E
20250528.21	0.47	SW	3.2	5	SW
20250529.00	0.53	SW	3.1	7	NW
20250529.03	0.63	S	3.1	7	NW
20250529.06	0.73	S	3.2	7	NW
20250529.09	0.69	S	3.3	6	NW
20250529.12	0.61	S	3.4	4	W
20250529.15	0.54	S	3.6	3	NW
20250529.18	0.49	S	3.7	3	SW
20250529.21	0.46	S	3.5	5	W
20250530.00	0.51	S	2.9	6	N
20250530.03	0.63	S	2.9	7	N
20250530.06	0.73	S	3.1	7	NW
20250530.09	0.73	S	3.3	6	NW
20250530.12	0.63	S	3.4	4	W
20250530.15	0.55	S	3.5	3	NW
20250530.18	0.51	S	3.5	4	SW
20250530.21	0.49	S	3.3	4	SW
20250531.00	0.51	S	3.2	5	W
20250531.03	0.56	S	3.2	5	N
20250531.06	0.60	S	3.2	5	NW
20250531.09	0.59	S	3.4	4	NW
20250531.12	0.56	SE	3.7	2	NE

**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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