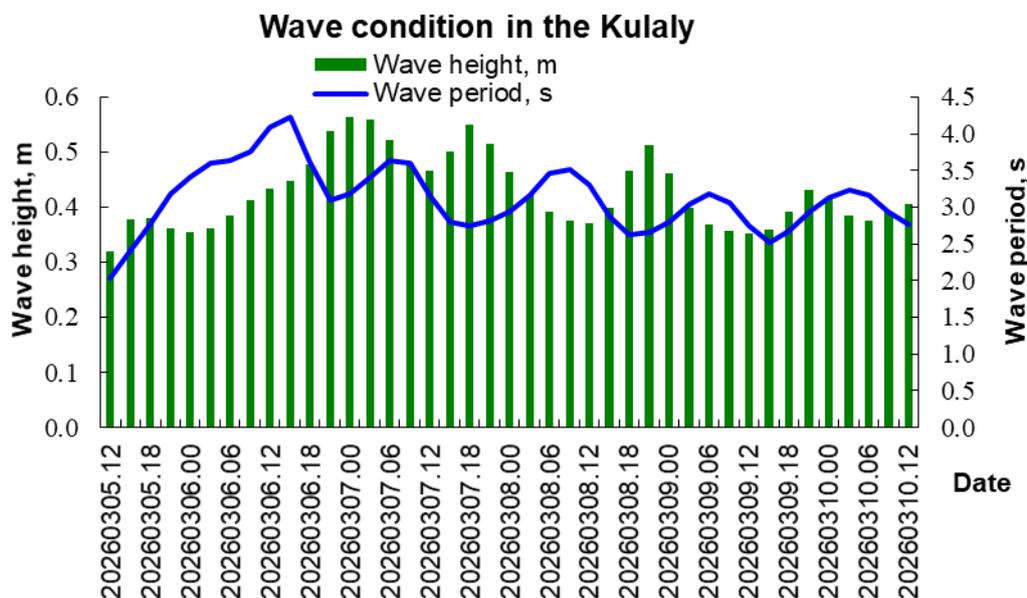
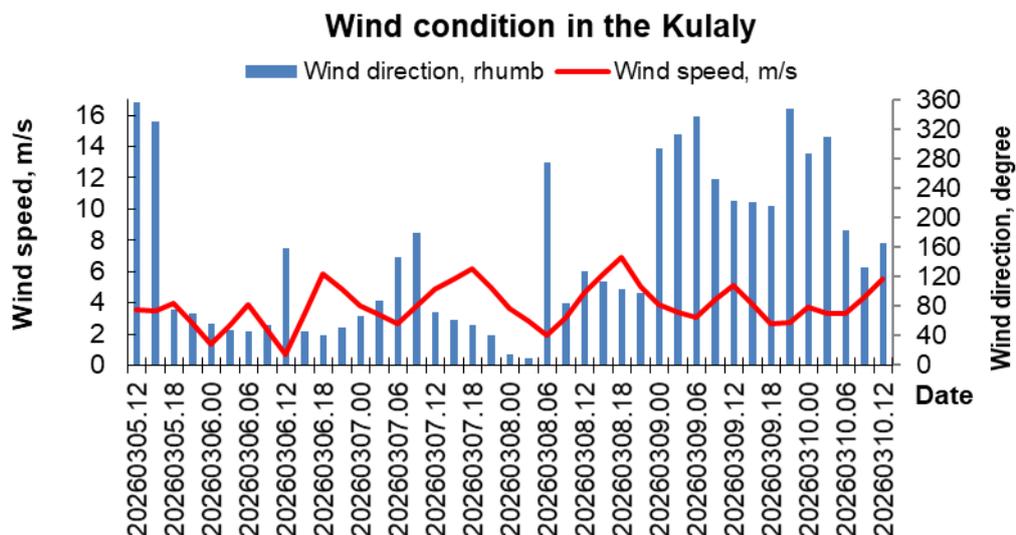




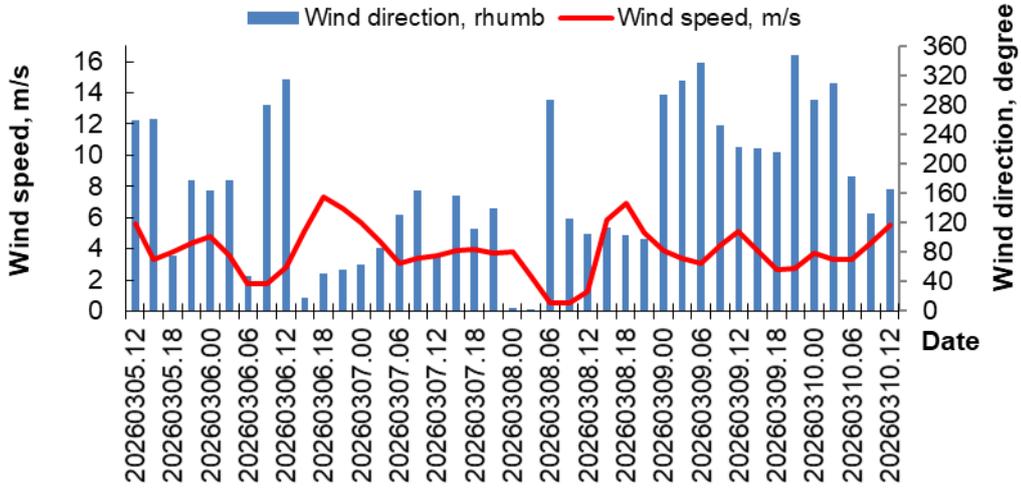
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period March 05-10, 2026 .**

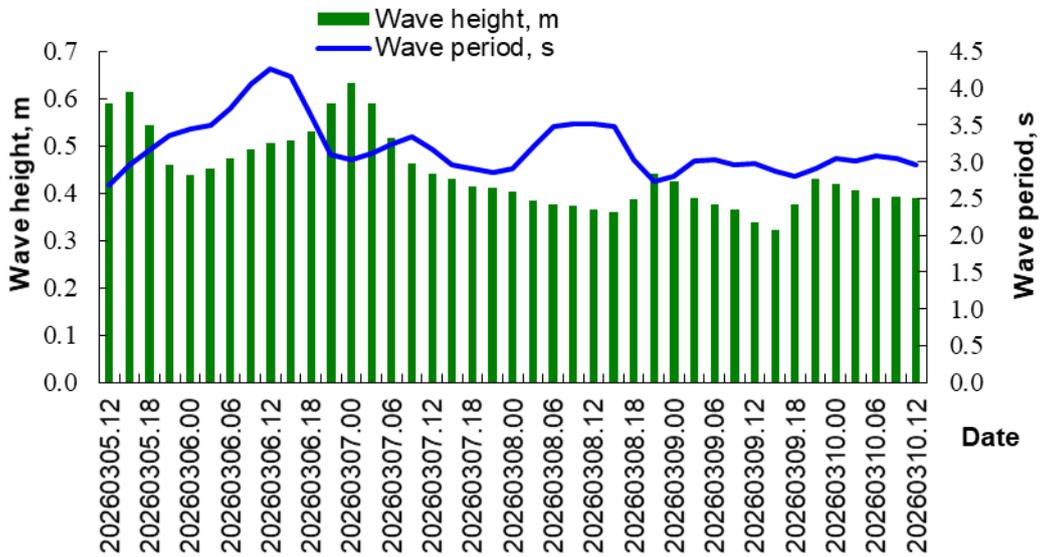


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.32	S	2.0	4	N
20260305.15	0.38	S	2.4	3	NW
20260305.18	0.38	S	2.8	4	E
20260305.21	0.36	S	3.2	3	E
20260306.00	0.35	S	3.4	1	NE
20260306.03	0.36	SE	3.6	3	NE
20260306.06	0.38	SE	3.6	4	NE
20260306.09	0.41	SE	3.8	2	NE
20260306.12	0.43	SE	4.1	1	S
20260306.15	0.45	SE	4.2	3	NE
20260306.18	0.48	SE	3.6	6	NE
20260306.21	0.54	E	3.1	5	NE
20260307.00	0.56	E	3.2	4	NE
20260307.03	0.56	E	3.4	3	E
20260307.06	0.52	E	3.6	3	SE
20260307.09	0.48	E	3.6	4	S
20260307.12	0.47	NE	3.2	5	E
20260307.15	0.50	NE	2.8	6	NE
20260307.18	0.55	NE	2.7	6	NE
20260307.21	0.51	NE	2.8	5	NE
20260308.00	0.46	NE	2.9	4	N
20260308.03	0.42	NE	3.2	3	N
20260308.06	0.39	NE	3.5	2	W
20260308.09	0.38	NE	3.5	3	E
20260308.12	0.37	NE	3.3	5	SE
20260308.15	0.40	NE	2.9	6	SE
20260308.18	0.47	N	2.6	7	E
20260308.21	0.51	NW	2.7	5	E
20260309.00	0.46	NW	2.8	4	NW
20260309.03	0.40	N	3.0	3	NW
20260309.06	0.37	N	3.2	3	NW
20260309.09	0.36	NE	3.1	4	W
20260309.12	0.35	E	2.7	5	SW
20260309.15	0.36	SW	2.5	4	SW
20260309.18	0.39	W	2.7	3	SW
20260309.21	0.43	W	2.9	3	N
20260310.00	0.42	W	3.1	4	W
20260310.03	0.39	W	3.2	3	NW
20260310.06	0.38	W	3.2	3	S
20260310.09	0.39	W	2.9	4	SE
20260310.12	0.41	W	2.8	6	S

Wind condition in the Fort-Shevchenko

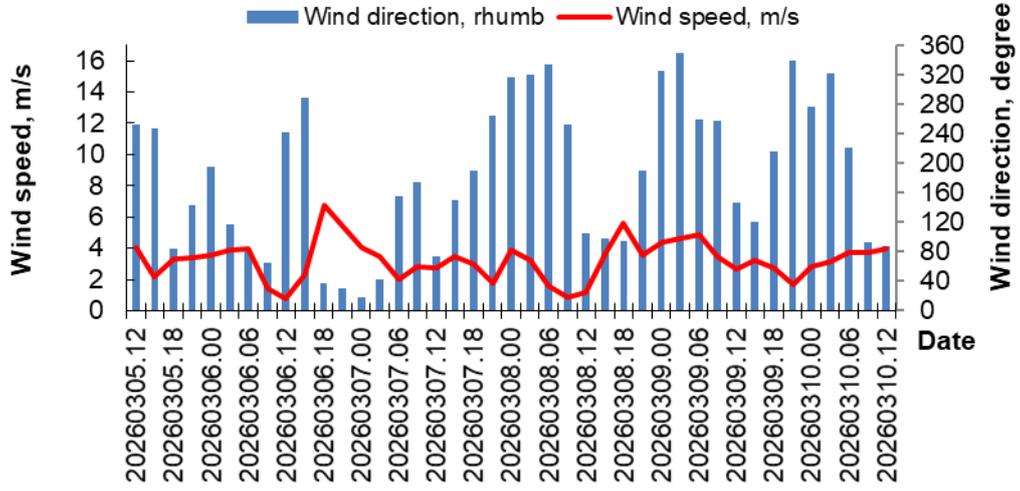


Wave condition in the Fort-Shevchenko

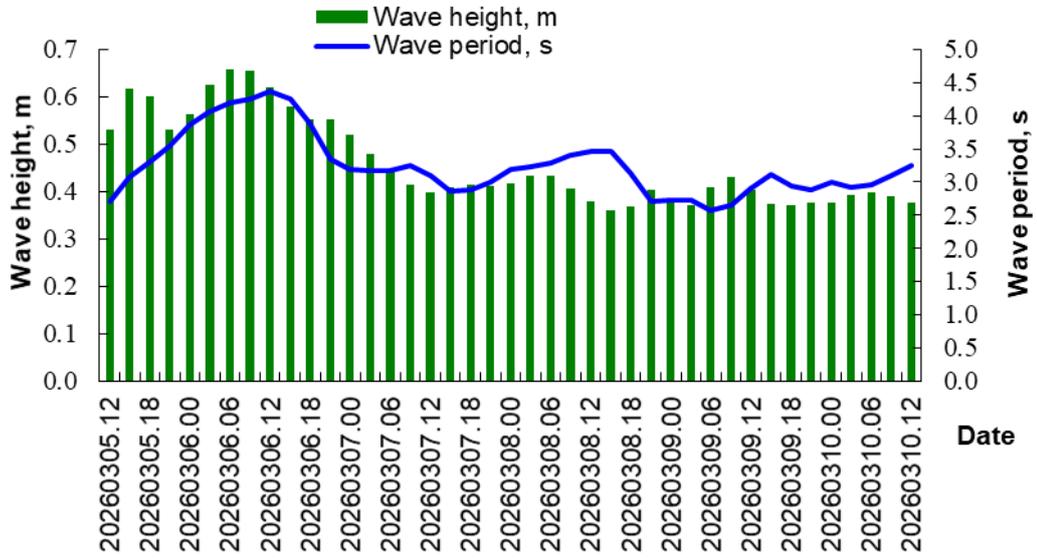


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.59	S	2.7	6	W
20260305.15	0.61	S	3.0	3	W
20260305.18	0.54	S	3.2	4	E
20260305.21	0.46	S	3.4	4	S
20260306.00	0.44	S	3.4	5	S
20260306.03	0.45	S	3.5	4	S
20260306.06	0.47	SE	3.7	2	NE
20260306.09	0.49	SE	4.1	2	W
20260306.12	0.51	SE	4.3	3	NW
20260306.15	0.51	SE	4.2	5	N
20260306.18	0.53	SE	3.6	7	NE
20260306.21	0.59	E	3.1	7	NE
20260307.00	0.63	E	3.0	6	NE
20260307.03	0.59	E	3.1	4	E
20260307.06	0.52	E	3.2	3	SE
20260307.09	0.46	E	3.3	3	S
20260307.12	0.44	E	3.2	4	E
20260307.15	0.43	NE	3.0	4	SE
20260307.18	0.42	NE	2.9	4	E
20260307.21	0.41	NE	2.9	4	SE
20260308.00	0.40	NE	2.9	4	N
20260308.03	0.39	NE	3.2	2	N
20260308.06	0.38	NE	3.5	1	W
20260308.09	0.37	NE	3.5	1	SE
20260308.12	0.37	NE	3.5	1	E
20260308.15	0.36	NE	3.5	6	SE
20260308.18	0.39	NE	3.0	7	E
20260308.21	0.44	N	2.7	5	E
20260309.00	0.43	N	2.8	4	NW
20260309.03	0.39	N	3.0	3	NW
20260309.06	0.38	NE	3.0	3	NW
20260309.09	0.37	E	3.0	4	W
20260309.12	0.34	E	3.0	5	SW
20260309.15	0.32	E	2.9	4	SW
20260309.18	0.38	W	2.8	3	SW
20260309.21	0.43	W	2.9	3	N
20260310.00	0.42	W	3.0	4	W
20260310.03	0.41	W	3.0	3	NW
20260310.06	0.39	W	3.1	3	S
20260310.09	0.39	W	3.0	4	SE
20260310.12	0.39	W	3.0	6	S

Wind condition in the Aktau

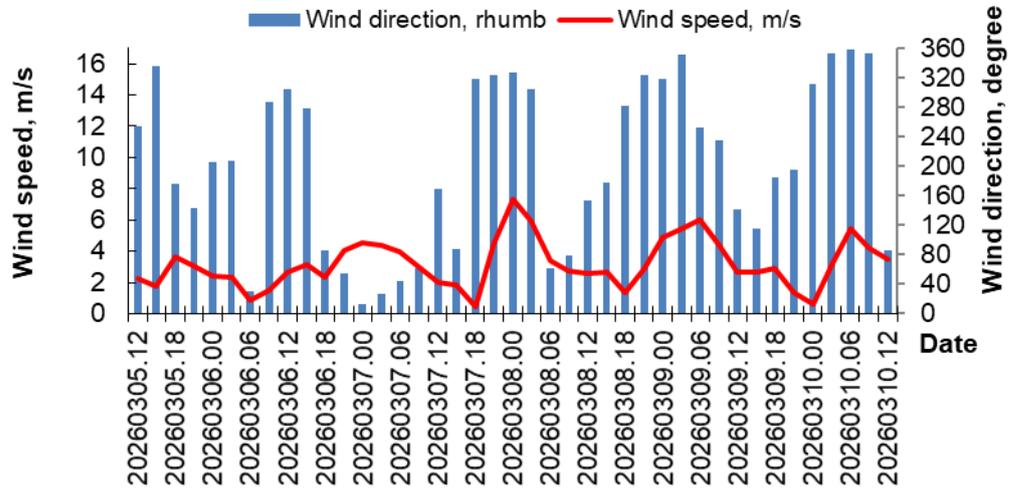


Wave condition in the Aktau

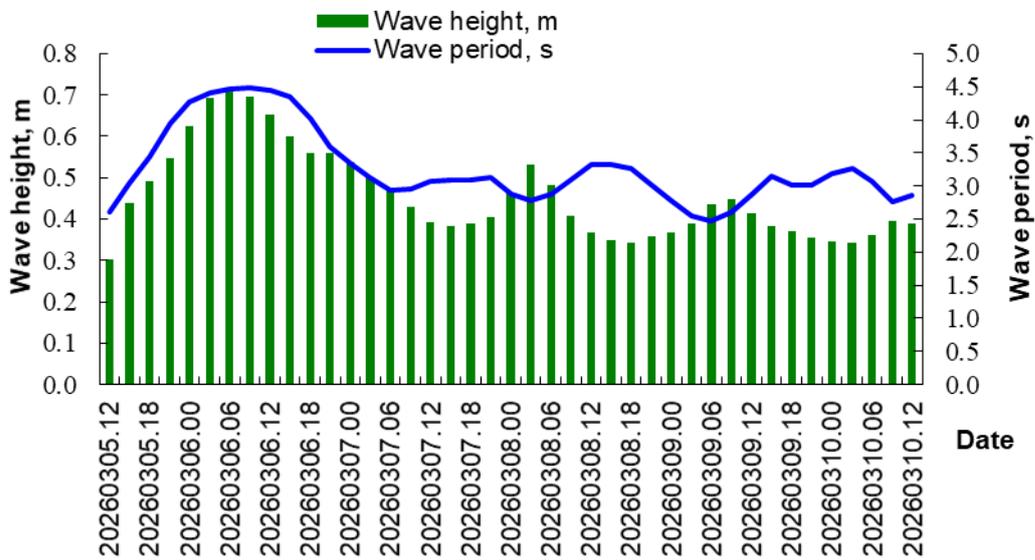


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260305.12	0.53	S	2.7	4	W
20260305.15	0.62	S	3.1	2	SW
20260305.18	0.60	S	3.3	3	E
20260305.21	0.53	S	3.5	3	SE
20260306.00	0.56	S	3.9	4	S
20260306.03	0.63	S	4.1	4	SE
20260306.06	0.66	S	4.2	4	E
20260306.09	0.66	SE	4.3	1	NE
20260306.12	0.62	SE	4.4	1	SW
20260306.15	0.58	SE	4.3	2	W
20260306.18	0.55	SE	3.9	7	NE
20260306.21	0.55	SE	3.3	5	NE
20260307.00	0.52	E	3.2	4	N
20260307.03	0.48	E	3.2	3	NE
20260307.06	0.45	E	3.2	2	SE
20260307.09	0.41	E	3.2	3	S
20260307.12	0.40	E	3.1	3	E
20260307.15	0.41	NE	2.9	4	SE
20260307.18	0.41	NE	2.9	3	S
20260307.21	0.41	NE	3.0	2	W
20260308.00	0.42	NE	3.2	4	NW
20260308.03	0.43	E	3.2	3	NW
20260308.06	0.43	E	3.3	2	NW
20260308.09	0.41	E	3.4	1	W
20260308.12	0.38	E	3.5	1	E
20260308.15	0.36	E	3.5	4	E
20260308.18	0.37	NE	3.1	6	E
20260308.21	0.40	N	2.7	4	S
20260309.00	0.38	NE	2.7	4	NW
20260309.03	0.37	E	2.7	5	N
20260309.06	0.41	SE	2.6	5	W
20260309.09	0.43	S	2.6	3	W
20260309.12	0.40	S	2.9	3	SE
20260309.15	0.37	S	3.1	3	SE
20260309.18	0.37	S	2.9	3	SW
20260309.21	0.38	SW	2.9	2	N
20260310.00	0.38	SW	3.0	3	W
20260310.03	0.39	SW	2.9	3	NW
20260310.06	0.40	SW	3.0	4	SW
20260310.09	0.39	W	3.1	4	E
20260310.12	0.38	W	3.3	4	E

Wind condition in the Peschanyi

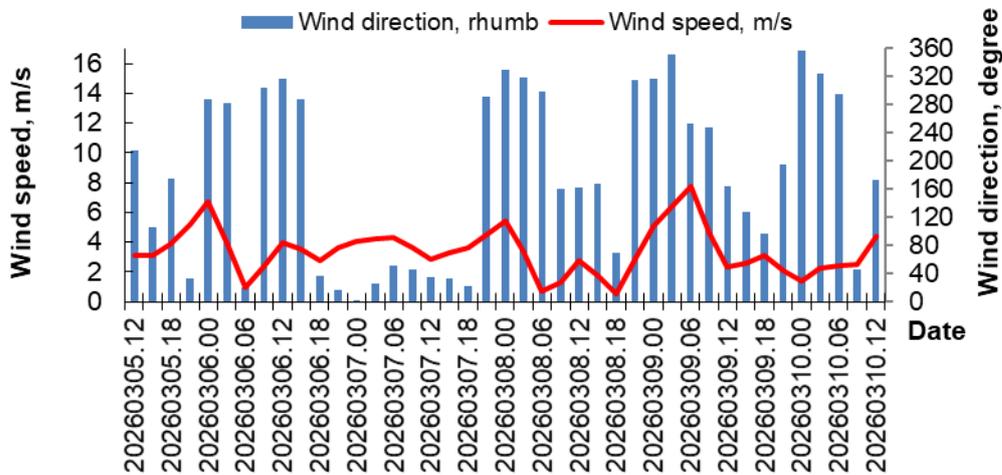


Wave condition in the Peschanyi

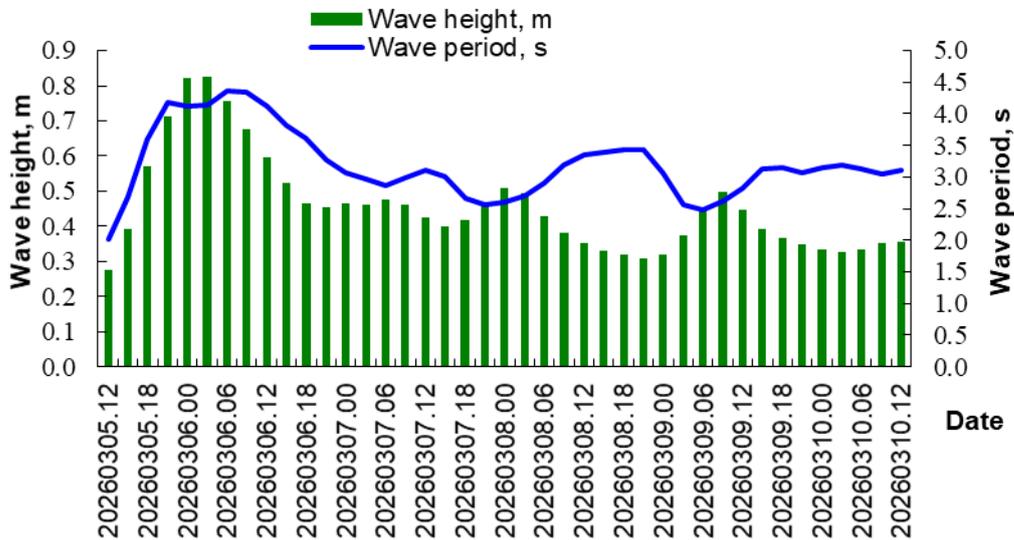


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.30	SW	2.6	2	W
20260305.15	0.44	S	3.0	2	NW
20260305.18	0.49	S	3.4	4	S
20260305.21	0.55	S	3.9	3	SE
20260306.00	0.63	SE	4.3	2	SW
20260306.03	0.69	SE	4.4	2	SW
20260306.06	0.71	SE	4.5	1	NE
20260306.09	0.70	SE	4.5	2	W
20260306.12	0.65	SE	4.4	3	NW
20260306.15	0.60	SE	4.3	3	W
20260306.18	0.56	SE	4.0	2	E
20260306.21	0.56	SE	3.6	4	NE
20260307.00	0.54	E	3.3	5	N
20260307.03	0.50	E	3.1	4	NE
20260307.06	0.47	E	2.9	4	NE
20260307.09	0.43	E	3.0	3	NE
20260307.12	0.39	E	3.1	2	S
20260307.15	0.38	E	3.1	2	E
20260307.18	0.39	E	3.1	0	NW
20260307.21	0.40	E	3.1	4	NW
20260308.00	0.46	E	2.9	7	NW
20260308.03	0.53	E	2.8	6	NW
20260308.06	0.48	E	2.9	3	NE
20260308.09	0.41	E	3.1	3	E
20260308.12	0.37	E	3.3	3	SE
20260308.15	0.35	NE	3.3	3	S
20260308.18	0.34	NE	3.3	1	W
20260308.21	0.36	NE	3.0	3	NW
20260309.00	0.37	NE	2.8	5	NW
20260309.03	0.39	E	2.5	5	N
20260309.06	0.43	SE	2.5	6	W
20260309.09	0.45	S	2.6	4	SW
20260309.12	0.41	S	2.9	3	SE
20260309.15	0.38	S	3.1	3	SE
20260309.18	0.37	S	3.0	3	S
20260309.21	0.36	S	3.0	1	S
20260310.00	0.34	S	3.2	1	NW
20260310.03	0.34	SW	3.3	3	N
20260310.06	0.36	SW	3.1	5	N
20260310.09	0.40	SW	2.8	4	N
20260310.12	0.39	SW	2.9	3	E

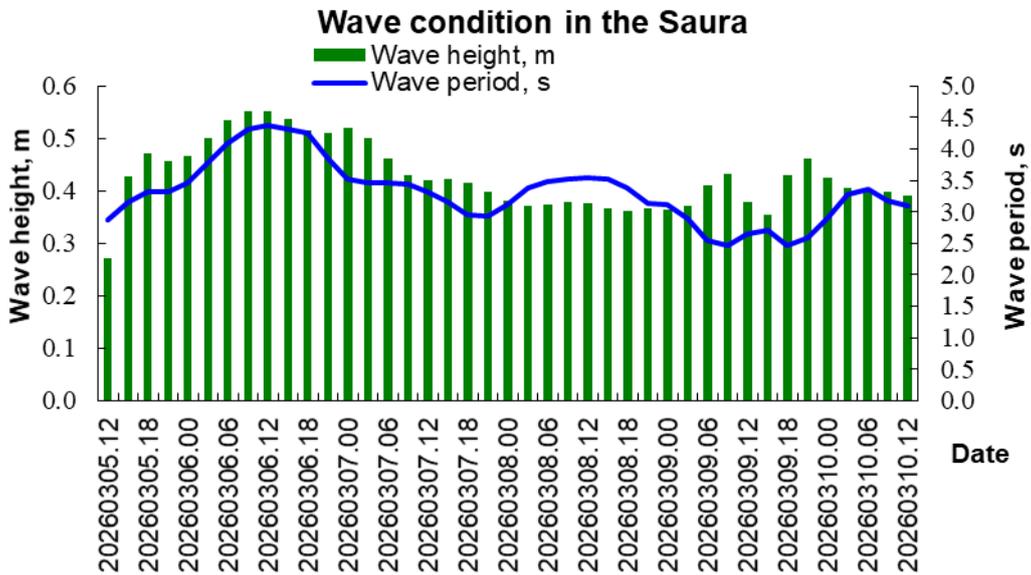
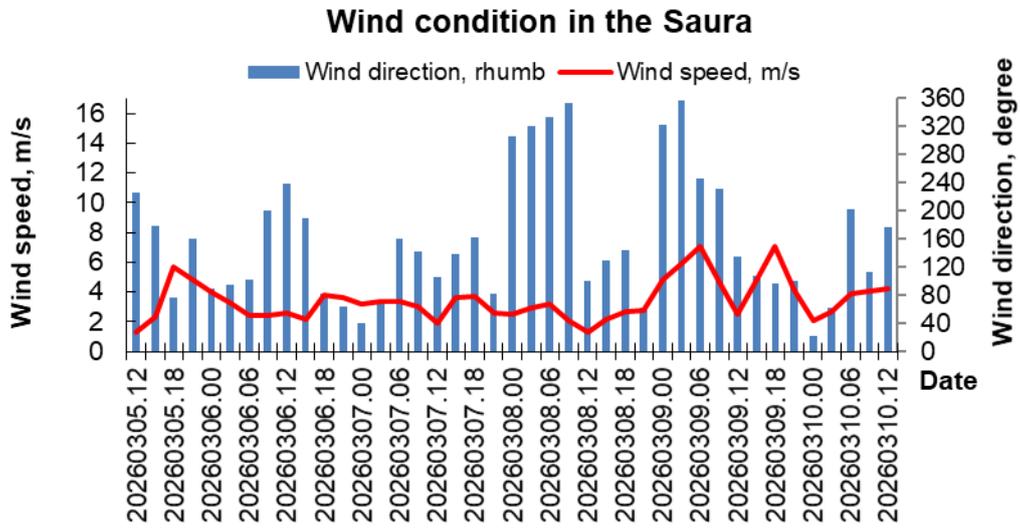
Wind condition in the Fetisovo



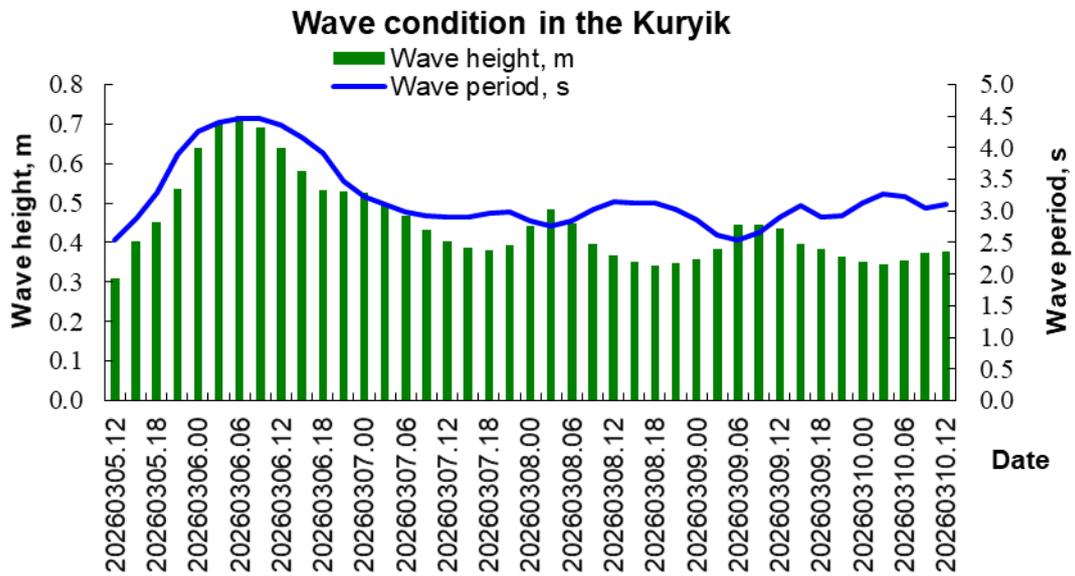
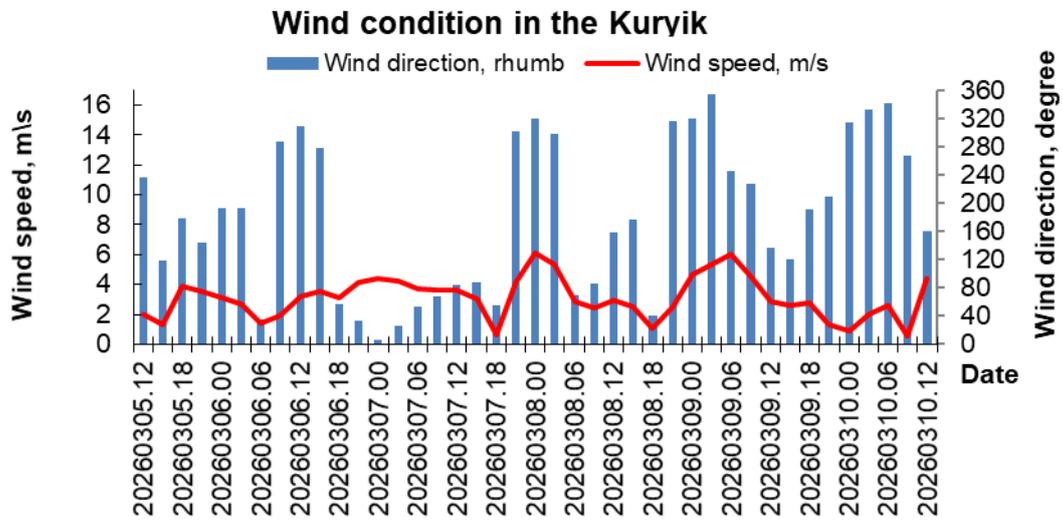
Wave condition in the Fetisovo



Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.28	SW	2.0	3	SW
20260305.15	0.39	S	2.7	3	E
20260305.18	0.57	S	3.6	4	S
20260305.21	0.71	S	4.2	5	NE
20260306.00	0.82	S	4.1	7	W
20260306.03	0.83	S	4.1	4	W
20260306.06	0.76	S	4.4	1	N
20260306.09	0.68	S	4.3	2	NW
20260306.12	0.60	S	4.1	4	NW
20260306.15	0.53	SE	3.8	4	W
20260306.18	0.47	SE	3.6	3	NE
20260306.21	0.46	E	3.3	4	N
20260307.00	0.47	E	3.1	4	N
20260307.03	0.46	E	3.0	4	NE
20260307.06	0.48	E	2.9	4	NE
20260307.09	0.46	E	3.0	4	NE
20260307.12	0.42	E	3.1	3	NE
20260307.15	0.40	NE	3.0	3	NE
20260307.18	0.42	NE	2.7	4	NE
20260307.21	0.47	E	2.6	4	W
20260308.00	0.51	E	2.6	5	NW
20260308.03	0.49	E	2.7	3	NW
20260308.06	0.43	E	2.9	1	NW
20260308.09	0.38	E	3.2	1	S
20260308.12	0.35	NE	3.3	3	S
20260308.15	0.33	NE	3.4	2	S
20260308.18	0.32	NE	3.4	1	E
20260308.21	0.31	NE	3.4	3	NW
20260309.00	0.32	NE	3.1	5	NW
20260309.03	0.37	E	2.6	6	N
20260309.06	0.45	SE	2.5	8	W
20260309.09	0.50	S	2.6	5	W
20260309.12	0.45	S	2.8	2	S
20260309.15	0.39	S	3.1	3	SE
20260309.18	0.37	S	3.2	3	E
20260309.21	0.35	S	3.1	2	S
20260310.00	0.33	S	3.1	1	N
20260310.03	0.33	SW	3.2	2	NW
20260310.06	0.33	SW	3.1	2	NW
20260310.09	0.35	SW	3.0	2	NE
20260310.12	0.35	SW	3.1	4	S



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.27	S	2.9	1	SW
20260305.15	0.43	S	3.2	2	S
20260305.18	0.47	S	3.3	6	E
20260305.21	0.46	S	3.3	5	S
20260306.00	0.47	S	3.5	4	E
20260306.03	0.50	S	3.8	3	E
20260306.06	0.53	S	4.1	2	E
20260306.09	0.55	SE	4.3	2	S
20260306.12	0.55	SE	4.4	3	SW
20260306.15	0.54	SE	4.3	2	S
20260306.18	0.51	SE	4.2	4	E
20260306.21	0.51	SE	3.9	4	NE
20260307.00	0.52	E	3.5	3	NE
20260307.03	0.50	E	3.5	3	E
20260307.06	0.46	E	3.5	3	S
20260307.09	0.43	E	3.4	3	SE
20260307.12	0.42	E	3.3	2	E
20260307.15	0.42	NE	3.1	4	SE
20260307.18	0.41	NE	3.0	4	S
20260307.21	0.40	NE	2.9	3	E
20260308.00	0.38	NE	3.1	3	NW
20260308.03	0.37	NE	3.4	3	NW
20260308.06	0.37	NE	3.5	3	NW
20260308.09	0.38	NE	3.5	2	N
20260308.12	0.38	NE	3.5	1	E
20260308.15	0.37	NE	3.5	2	SE
20260308.18	0.36	NE	3.4	3	SE
20260308.21	0.37	NE	3.1	3	NE
20260309.00	0.36	NE	3.1	5	NW
20260309.03	0.37	NE	2.9	6	N
20260309.06	0.41	SE	2.5	7	SW
20260309.09	0.43	S	2.5	5	SW
20260309.12	0.38	S	2.7	3	SE
20260309.15	0.35	S	2.7	5	E
20260309.18	0.43	W	2.5	7	E
20260309.21	0.46	W	2.6	4	E
20260310.00	0.43	W	2.9	2	N
20260310.03	0.41	W	3.3	3	NE
20260310.06	0.40	W	3.4	4	S
20260310.09	0.40	W	3.2	4	SE
20260310.12	0.39	W	3.1	4	S



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260305.12	0.31	S	2.5	2	SW
20260305.15	0.40	S	2.9	1	SE
20260305.18	0.45	S	3.3	4	S
20260305.21	0.54	S	3.9	4	SE
20260306.00	0.64	S	4.3	3	S
20260306.03	0.71	S	4.4	3	S
20260306.06	0.72	S	4.5	1	NE
20260306.09	0.69	S	4.5	2	W
20260306.12	0.64	S	4.4	3	NW
20260306.15	0.58	SE	4.2	4	W
20260306.18	0.53	SE	3.9	3	NE
20260306.21	0.53	SE	3.5	4	NE
20260307.00	0.53	E	3.2	4	N
20260307.03	0.50	E	3.1	4	NE
20260307.06	0.47	E	3.0	4	NE
20260307.09	0.43	E	2.9	4	E
20260307.12	0.40	E	2.9	4	E
20260307.15	0.39	E	2.9	3	E
20260307.18	0.38	NE	3.0	1	NE
20260307.21	0.39	NE	3.0	4	NW
20260308.00	0.44	E	2.9	6	NW
20260308.03	0.49	E	2.8	5	NW
20260308.06	0.45	E	2.8	3	E
20260308.09	0.40	E	3.0	2	E
20260308.12	0.37	E	3.2	3	S
20260308.15	0.35	NE	3.1	2	S
20260308.18	0.34	NE	3.1	1	NE
20260308.21	0.35	NE	3.0	3	NW
20260309.00	0.36	NE	2.9	5	NW
20260309.03	0.38	E	2.6	5	N
20260309.06	0.44	SE	2.5	6	SW
20260309.09	0.44	SE	2.7	4	SW
20260309.12	0.43	S	2.9	3	SE
20260309.15	0.40	S	3.1	3	SE
20260309.18	0.38	S	2.9	3	S
20260309.21	0.37	S	2.9	1	SW
20260310.00	0.35	S	3.1	1	NW
20260310.03	0.35	SW	3.3	2	NW
20260310.06	0.35	SW	3.2	3	N
20260310.09	0.37	SW	3.1	1	W
20260310.12	0.38	SW	3.1	4	S

**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.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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