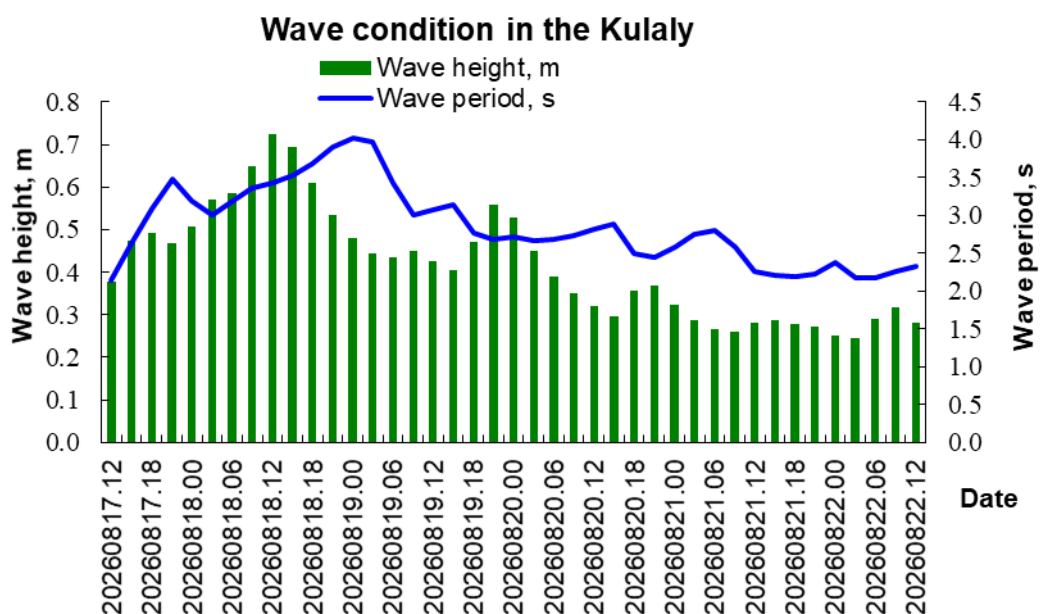
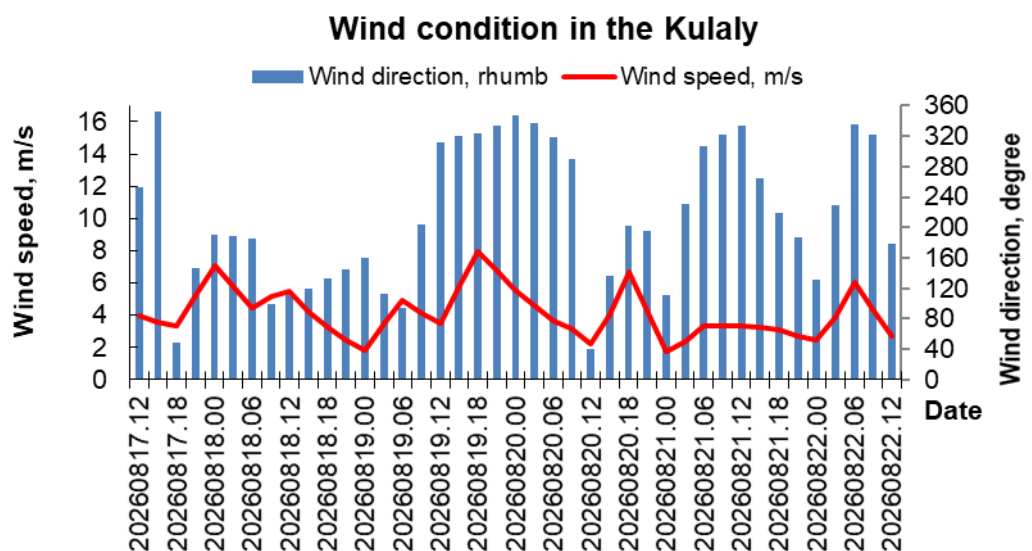




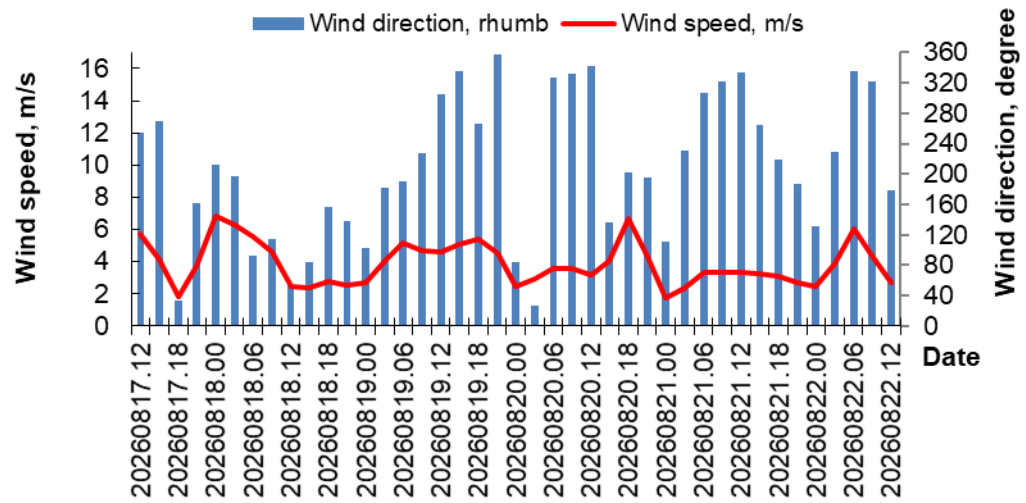
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period August 17 – 22, 2026 .**

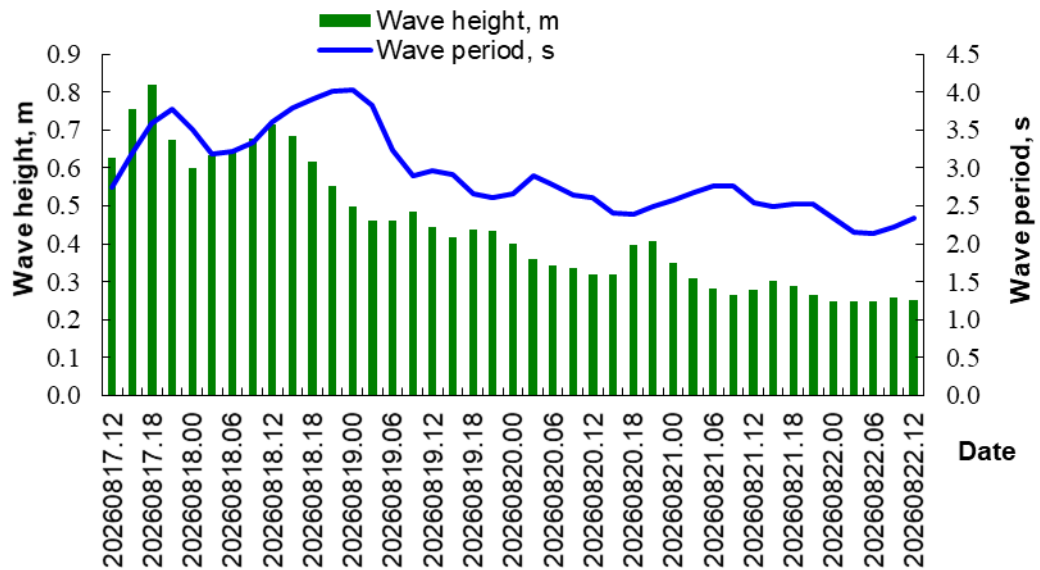


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.38	S	2.1	4	W
20260817.15	0.48	S	2.6	4	N
20260817.18	0.49	S	3.1	3	NE
20260817.21	0.47	S	3.5	5	SE
20260818.00	0.51	S	3.2	7	S
20260818.03	0.57	SW	3.0	6	S
20260818.06	0.59	SW	3.2	4	S
20260818.09	0.65	SW	3.4	5	E
20260818.12	0.72	SW	3.4	5	SE
20260818.15	0.69	SW	3.5	4	SE
20260818.18	0.61	SW	3.7	3	SE
20260818.21	0.53	S	3.9	2	SE
20260819.00	0.48	S	4.0	2	S
20260819.03	0.44	S	4.0	3	SE
20260819.06	0.44	S	3.4	5	E
20260819.09	0.45	SW	3.0	4	SW
20260819.12	0.43	SW	3.1	4	NW
20260819.15	0.41	SW	3.1	6	NW
20260819.18	0.47	S	2.8	8	NW
20260819.21	0.56	S	2.7	7	NW
20260820.00	0.53	S	2.7	6	N
20260820.03	0.45	S	2.7	5	NW
20260820.06	0.39	S	2.7	4	NW
20260820.09	0.35	S	2.7	3	W
20260820.12	0.32	S	2.8	2	NE
20260820.15	0.30	S	2.9	4	SE
20260820.18	0.36	SW	2.5	7	S
20260820.21	0.37	SW	2.4	4	S
20260821.00	0.32	SW	2.6	2	E
20260821.03	0.29	SW	2.7	2	SW
20260821.06	0.27	SW	2.8	3	NW
20260821.09	0.26	SW	2.6	3	NW
20260821.12	0.28	SW	2.3	3	NW
20260821.15	0.29	SW	2.2	3	W
20260821.18	0.28	SW	2.2	3	SW
20260821.21	0.27	SW	2.2	3	S
20260822.00	0.25	SW	2.4	2	SE
20260822.03	0.25	SW	2.2	4	SW
20260822.06	0.29	SW	2.2	6	NW
20260822.09	0.32	S	2.3	4	NW
20260822.12	0.28	S	2.3	3	S

Wind condition in the Fort-Shevchenko

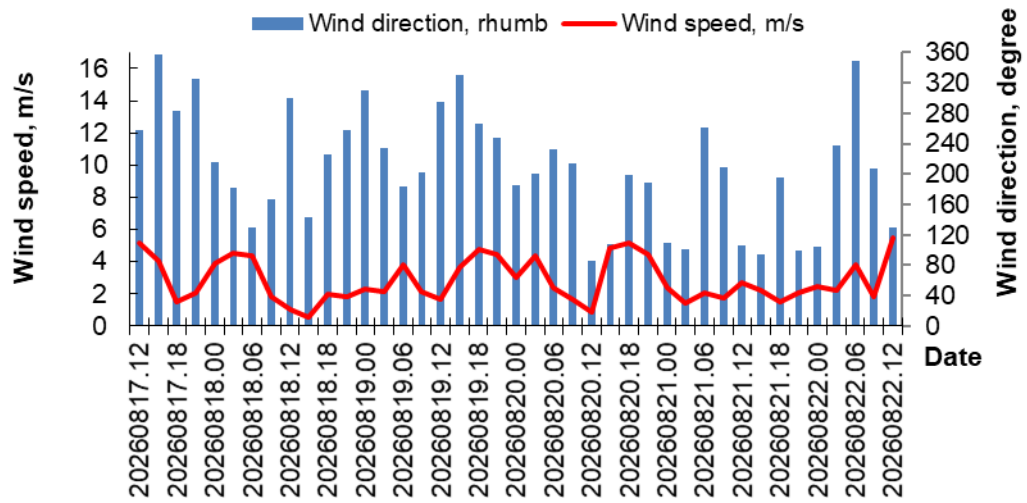


Wave condition in the Fort-Shevchenko

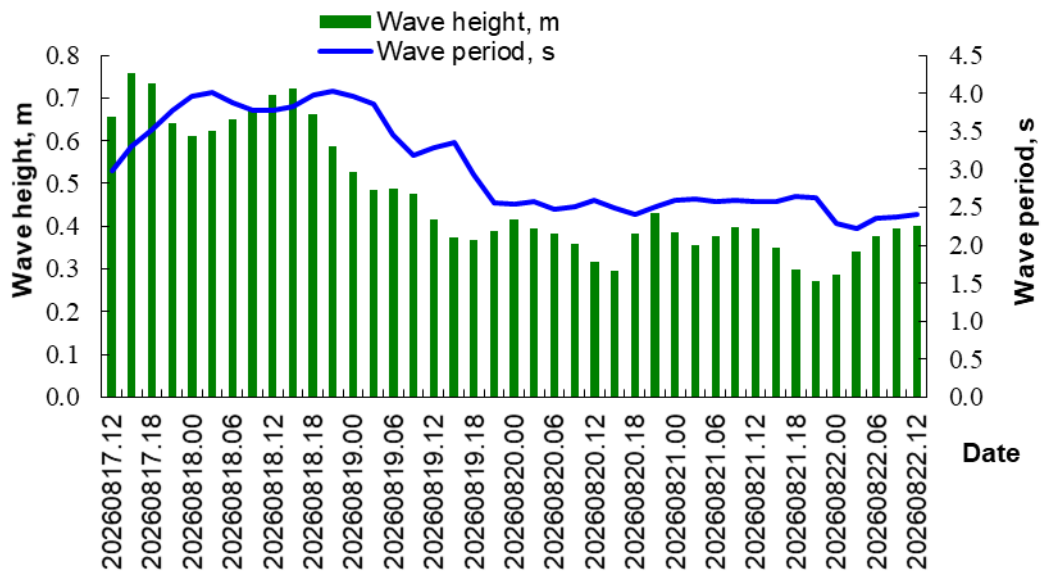


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.63	S	2.7	6	W
20260817.15	0.75	S	3.2	4	W
20260817.18	0.82	S	3.6	2	NE
20260817.21	0.67	S	3.8	4	S
20260818.00	0.60	S	3.5	7	SW
20260818.03	0.63	S	3.2	6	S
20260818.06	0.64	S	3.2	6	E
20260818.09	0.68	SW	3.3	5	SE
20260818.12	0.71	SW	3.6	2	NE
20260818.15	0.68	S	3.8	2	E
20260818.18	0.62	S	3.9	3	SE
20260818.21	0.55	S	4.0	3	SE
20260819.00	0.50	S	4.0	3	E
20260819.03	0.46	S	3.8	4	S
20260819.06	0.46	SW	3.2	5	S
20260819.09	0.49	SW	2.9	5	SW
20260819.12	0.45	SW	3.0	5	NW
20260819.15	0.42	S	2.9	5	NW
20260819.18	0.44	S	2.7	5	W
20260819.21	0.43	S	2.6	5	N
20260820.00	0.40	S	2.7	2	E
20260820.03	0.36	S	2.9	3	NE
20260820.06	0.34	S	2.8	4	NW
20260820.09	0.34	S	2.6	4	NW
20260820.12	0.32	S	2.6	3	N
20260820.15	0.32	S	2.4	4	SE
20260820.18	0.40	SW	2.4	7	S
20260820.21	0.41	SW	2.5	4	S
20260821.00	0.35	SW	2.6	2	E
20260821.03	0.31	SW	2.7	2	SW
20260821.06	0.28	SW	2.8	3	NW
20260821.09	0.26	SW	2.8	3	NW
20260821.12	0.28	SW	2.5	3	NW
20260821.15	0.30	W	2.5	3	W
20260821.18	0.29	W	2.5	3	SW
20260821.21	0.26	W	2.5	3	S
20260822.00	0.25	W	2.3	2	SE
20260822.03	0.25	W	2.2	4	SW
20260822.06	0.25	SW	2.1	6	NW
20260822.09	0.26	SW	2.2	4	NW
20260822.12	0.25	SW	2.3	3	S

Wind condition in the Aktau

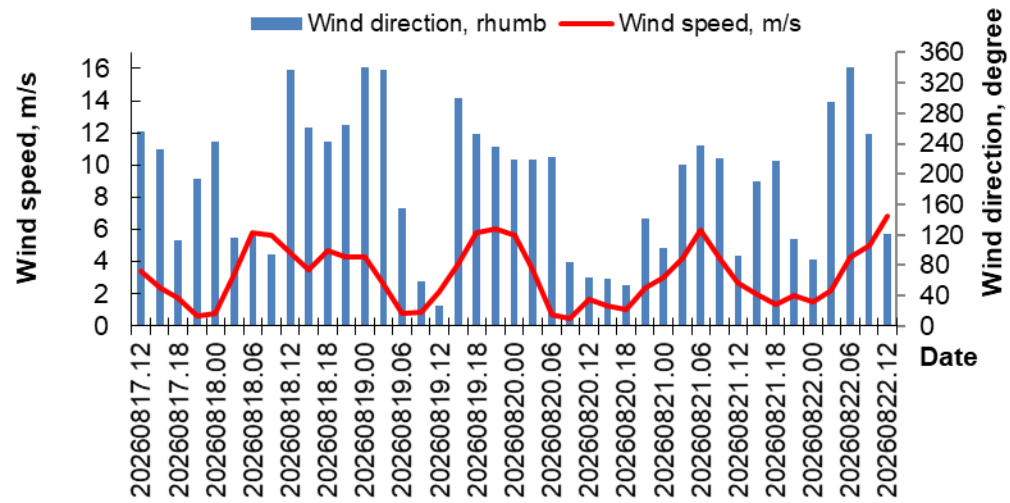


Wave condition in the Aktau

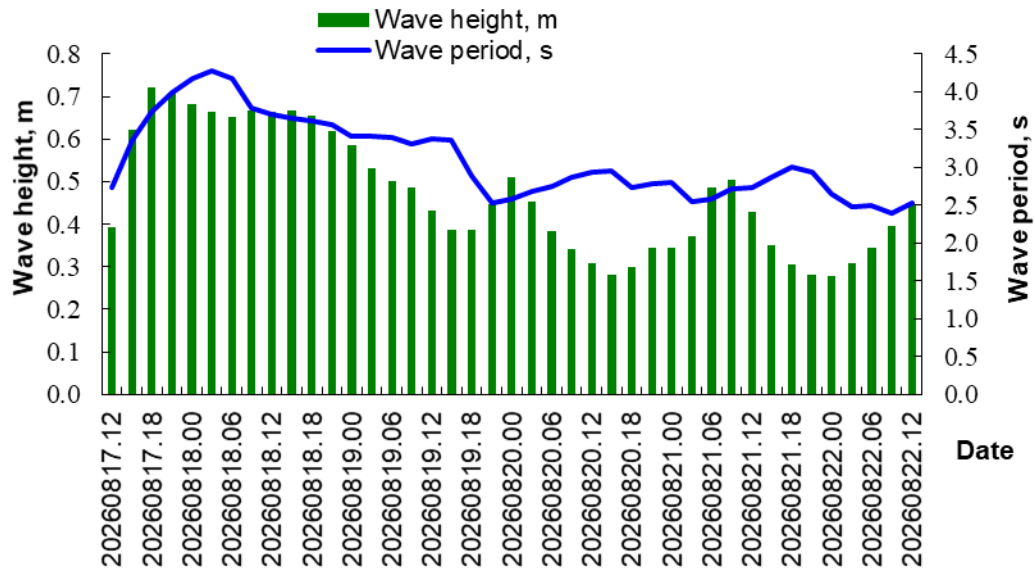


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260817.12	0.66	S	3.0	5	W
20260817.15	0.76	S	3.3	4	N
20260817.18	0.73	S	3.5	1	W
20260817.21	0.64	S	3.8	2	NW
20260818.00	0.61	SE	4.0	4	SW
20260818.03	0.62	S	4.0	5	S
20260818.06	0.65	S	3.9	4	SE
20260818.09	0.67	S	3.8	2	S
20260818.12	0.71	S	3.8	1	NW
20260818.15	0.72	SW	3.8	1	SE
20260818.18	0.66	SW	4.0	2	SW
20260818.21	0.59	SW	4.0	2	W
20260819.00	0.53	SW	4.0	2	NW
20260819.03	0.48	SW	3.9	2	SW
20260819.06	0.49	SW	3.5	4	S
20260819.09	0.48	SW	3.2	2	SW
20260819.12	0.42	SW	3.3	2	NW
20260819.15	0.37	SW	3.4	4	NW
20260819.18	0.37	SW	2.9	5	W
20260819.21	0.39	SW	2.6	4	W
20260820.00	0.42	SW	2.5	3	S
20260820.03	0.39	SW	2.6	4	S
20260820.06	0.38	SW	2.5	2	SW
20260820.09	0.36	SW	2.5	2	SW
20260820.12	0.32	SW	2.6	1	E
20260820.15	0.30	SW	2.5	5	E
20260820.18	0.38	SW	2.4	5	S
20260820.21	0.43	SW	2.5	4	S
20260821.00	0.39	SW	2.6	2	E
20260821.03	0.36	SW	2.6	1	E
20260821.06	0.38	SW	2.6	2	W
20260821.09	0.40	SW	2.6	2	SW
20260821.12	0.39	W	2.6	3	E
20260821.15	0.35	W	2.6	2	E
20260821.18	0.30	W	2.6	1	S
20260821.21	0.27	W	2.6	2	E
20260822.00	0.29	W	2.3	2	E
20260822.03	0.34	W	2.2	2	SW
20260822.06	0.38	SW	2.4	4	N
20260822.09	0.39	SW	2.4	2	SW
20260822.12	0.40	SW	2.4	5	SE

Wind condition in the Peschanyi

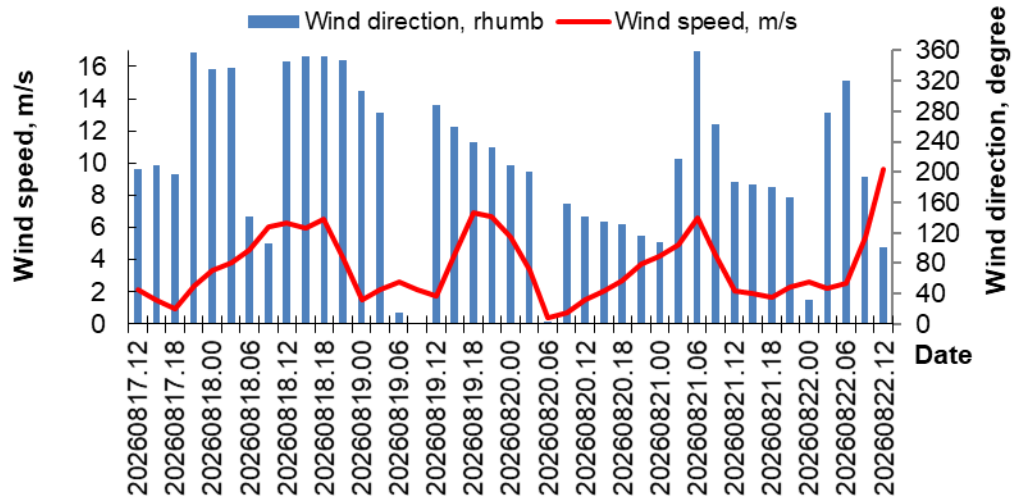


Wave condition in the Peschanyi

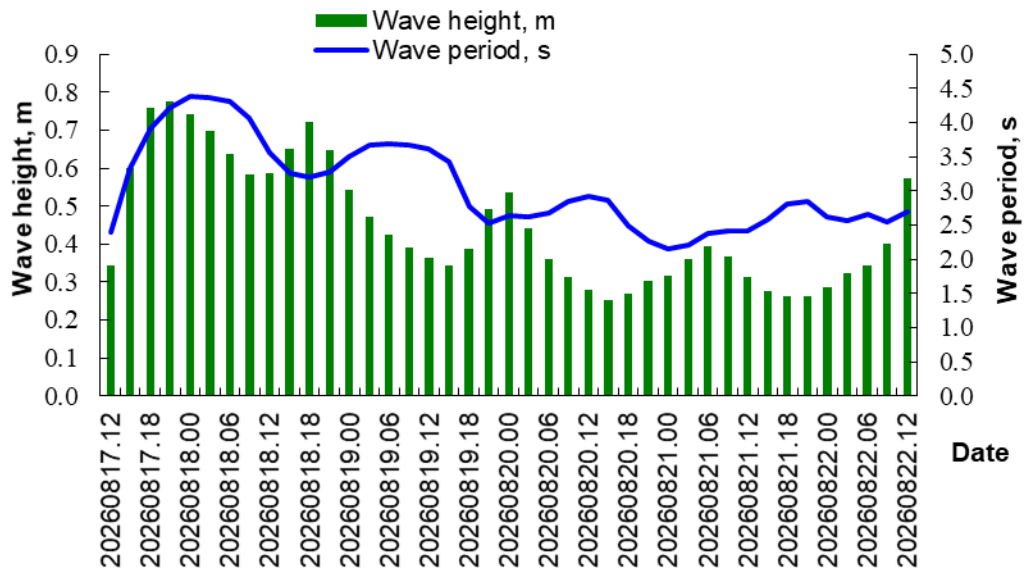


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.39	S	2.7	3	W
20260817.15	0.62	S	3.4	2	SW
20260817.18	0.72	S	3.7	2	E
20260817.21	0.71	S	4.0	1	S
20260818.00	0.68	S	4.2	1	SW
20260818.03	0.66	S	4.3	3	SE
20260818.06	0.65	S	4.2	6	SE
20260818.09	0.67	S	3.8	6	E
20260818.12	0.66	S	3.7	5	NW
20260818.15	0.67	S	3.7	3	W
20260818.18	0.65	SW	3.6	5	SW
20260818.21	0.62	SW	3.6	4	W
20260819.00	0.59	S	3.4	4	N
20260819.03	0.53	S	3.4	3	NW
20260819.06	0.50	SW	3.4	1	SE
20260819.09	0.49	SW	3.3	1	NE
20260819.12	0.43	SW	3.4	2	NE
20260819.15	0.39	SW	3.4	4	NW
20260819.18	0.39	SW	2.9	6	W
20260819.21	0.45	SW	2.5	6	SW
20260820.00	0.51	SW	2.6	6	SW
20260820.03	0.45	SW	2.7	4	SW
20260820.06	0.38	SW	2.8	1	SW
20260820.09	0.34	SW	2.9	0	E
20260820.12	0.31	SW	2.9	2	NE
20260820.15	0.28	SW	3.0	1	NE
20260820.18	0.30	SW	2.7	1	NE
20260820.21	0.34	SW	2.8	2	SE
20260821.00	0.35	SW	2.8	3	E
20260821.03	0.37	SW	2.6	4	SW
20260821.06	0.49	SW	2.6	6	SW
20260821.09	0.51	SW	2.7	4	SW
20260821.12	0.43	SW	2.7	3	E
20260821.15	0.35	SW	2.9	2	S
20260821.18	0.31	SW	3.0	1	SW
20260821.21	0.28	W	2.9	2	SE
20260822.00	0.28	W	2.6	2	E
20260822.03	0.31	SW	2.5	2	NW
20260822.06	0.34	SW	2.5	4	N
20260822.09	0.40	SW	2.4	5	W
20260822.12	0.44	SW	2.5	7	SE

Wind condition in the Fetisovo

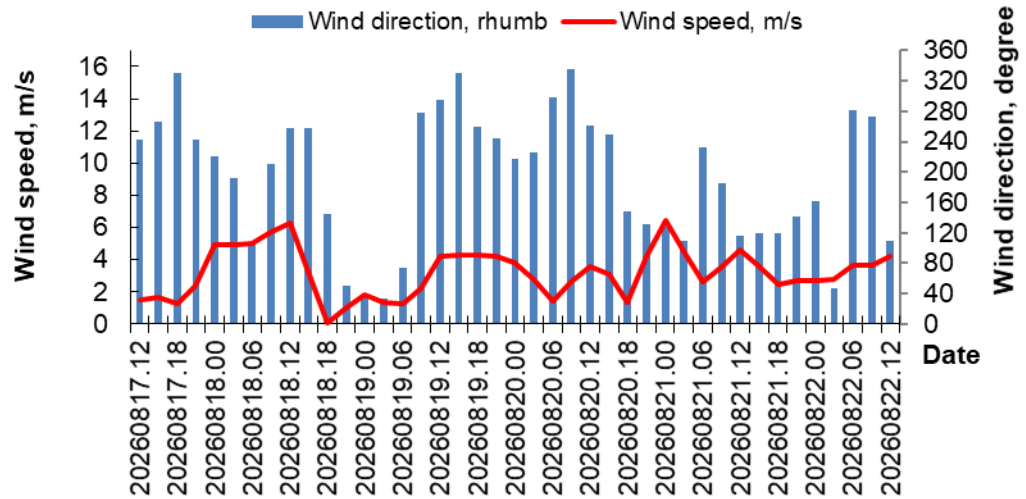


Wave condition in the Fetisovo

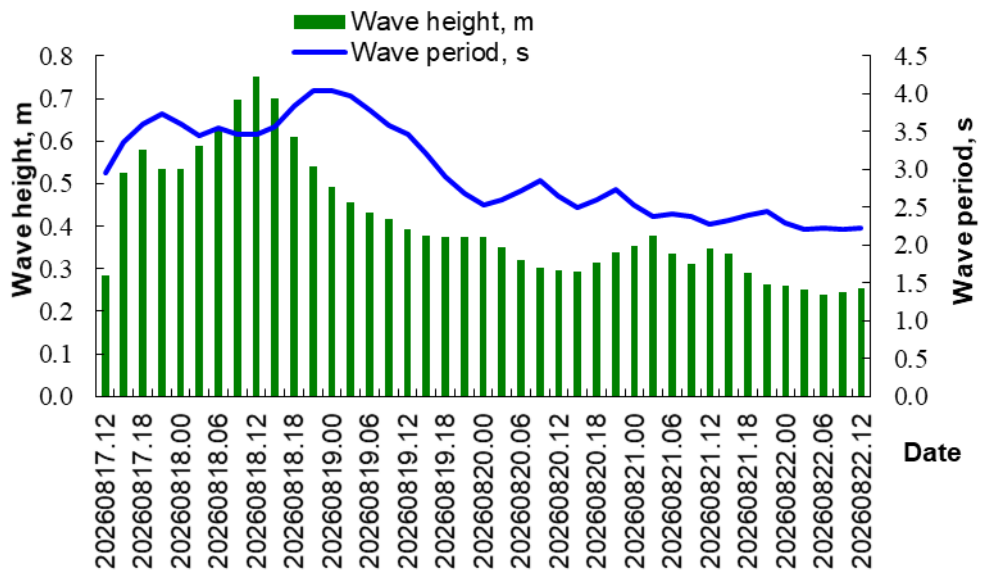


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.34	S	2.4	2	SW
20260817.15	0.60	S	3.3	2	SW
20260817.18	0.76	S	3.9	1	S
20260817.21	0.78	S	4.2	2	N
20260818.00	0.74	S	4.4	3	NW
20260818.03	0.70	S	4.4	4	NW
20260818.06	0.64	S	4.3	5	SE
20260818.09	0.58	S	4.1	6	E
20260818.12	0.59	S	3.6	6	N
20260818.15	0.65	S	3.3	6	N
20260818.18	0.72	S	3.2	7	N
20260818.21	0.65	S	3.3	4	N
20260819.00	0.54	S	3.5	2	NW
20260819.03	0.47	SW	3.7	2	W
20260819.06	0.43	SW	3.7	3	N
20260819.09	0.39	SW	3.7	2	N
20260819.12	0.36	SW	3.6	2	W
20260819.15	0.34	W	3.4	4	W
20260819.18	0.39	SW	2.8	7	SW
20260819.21	0.49	SW	2.5	7	SW
20260820.00	0.54	SW	2.6	5	SW
20260820.03	0.44	SW	2.6	3	S
20260820.06	0.36	SW	2.7	0	N
20260820.09	0.31	W	2.8	1	S
20260820.12	0.28	W	2.9	1	SE
20260820.15	0.25	W	2.9	2	SE
20260820.18	0.27	W	2.5	3	SE
20260820.21	0.30	W	2.3	4	SE
20260821.00	0.32	W	2.2	4	E
20260821.03	0.36	W	2.2	5	SW
20260821.06	0.39	SW	2.4	7	N
20260821.09	0.37	SW	2.4	4	W
20260821.12	0.31	SW	2.4	2	S
20260821.15	0.28	SW	2.6	2	S
20260821.18	0.26	SW	2.8	2	S
20260821.21	0.26	SW	2.8	2	S
20260822.00	0.28	SW	2.6	3	NE
20260822.03	0.32	SW	2.6	2	W
20260822.06	0.34	SW	2.7	3	NW
20260822.09	0.40	SW	2.6	5	S
20260822.12	0.57	SW	2.7	10	E

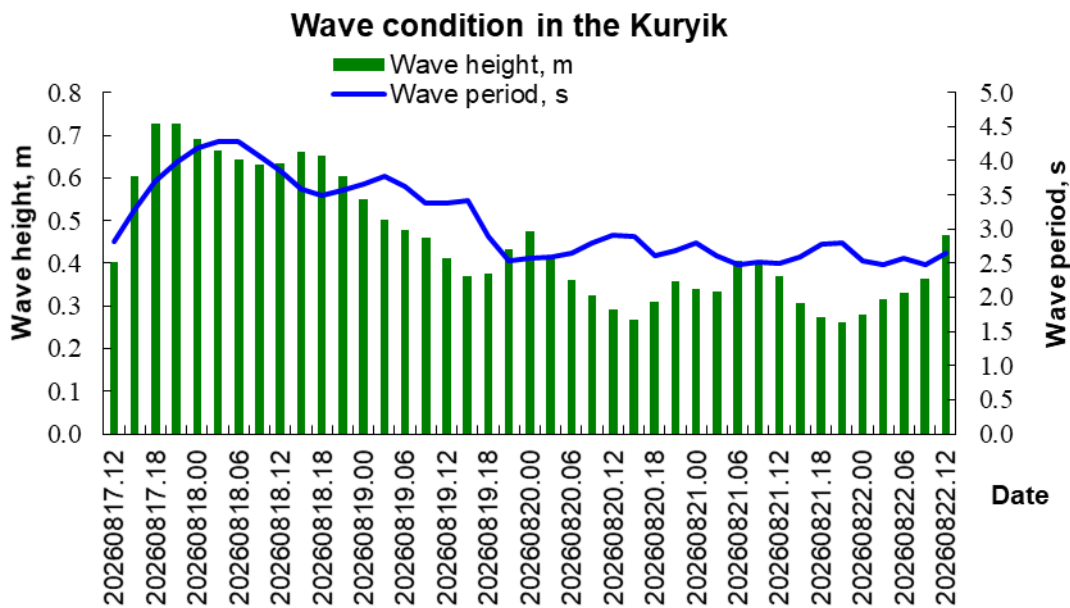
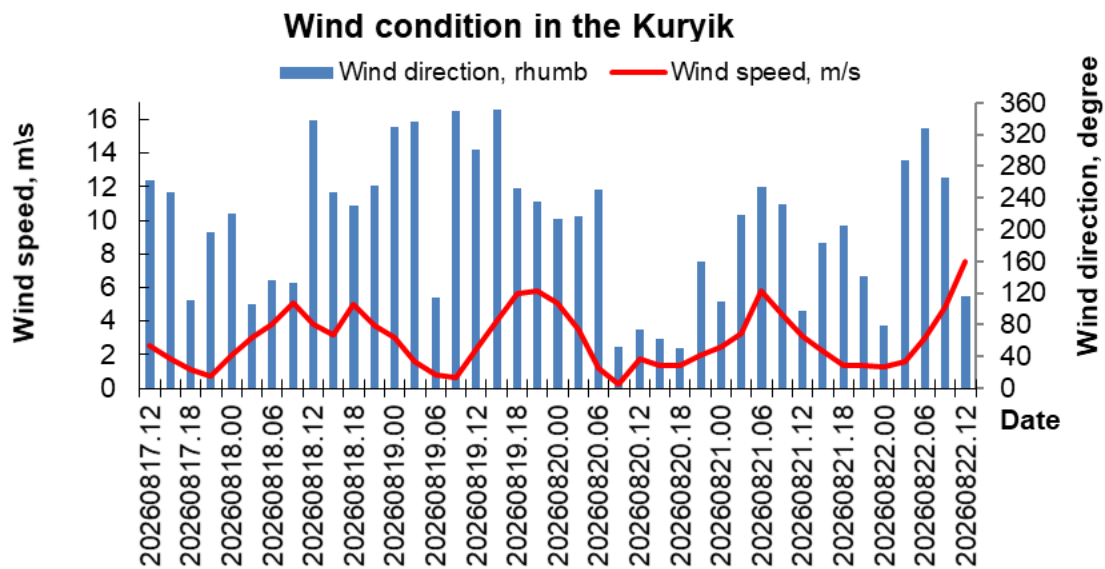
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.29	S	3.0	1	SW
20260817.15	0.52	S	3.4	2	W
20260817.18	0.58	S	3.6	1	NW
20260817.21	0.53	S	3.7	2	SW
20260818.00	0.53	S	3.6	5	SW
20260818.03	0.59	S	3.4	5	S
20260818.06	0.63	S	3.5	5	E
20260818.09	0.70	S	3.5	6	SW
20260818.12	0.75	SW	3.5	6	W
20260818.15	0.70	S	3.6	3	W
20260818.18	0.61	S	3.8	0	SE
20260818.21	0.54	S	4.0	1	NE
20260819.00	0.49	S	4.0	2	NE
20260819.03	0.46	S	4.0	1	NE
20260819.06	0.43	SW	3.8	1	E
20260819.09	0.42	SW	3.6	2	W
20260819.12	0.39	SW	3.5	4	NW
20260819.15	0.38	SW	3.2	4	NW
20260819.18	0.37	SW	2.9	4	W
20260819.21	0.37	SW	2.7	4	SW
20260820.00	0.38	SW	2.5	4	SW
20260820.03	0.35	SW	2.6	3	SW
20260820.06	0.32	SW	2.7	1	NW
20260820.09	0.30	SW	2.9	3	NW
20260820.12	0.30	SW	2.7	4	W
20260820.15	0.29	SW	2.5	3	W
20260820.18	0.31	SW	2.6	1	SE
20260820.21	0.34	SW	2.7	4	SE
20260821.00	0.35	SW	2.5	6	SE
20260821.03	0.38	W	2.4	5	E
20260821.06	0.33	W	2.4	3	SW
20260821.09	0.31	SW	2.4	4	S
20260821.12	0.35	W	2.3	5	SE
20260821.15	0.34	W	2.3	4	SE
20260821.18	0.29	W	2.4	2	SE
20260821.21	0.26	W	2.4	3	SE
20260822.00	0.26	W	2.3	3	S
20260822.03	0.25	W	2.2	3	NE
20260822.06	0.24	W	2.2	4	W
20260822.09	0.25	SW	2.2	4	W
20260822.12	0.25	SW	2.2	4	E



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260817.12	0.40	S	2.8	3	W
20260817.15	0.60	S	3.3	2	SW
20260817.18	0.73	S	3.7	1	E
20260817.21	0.73	S	4.0	1	S
20260818.00	0.69	S	4.2	2	SW
20260818.03	0.67	S	4.3	3	E
20260818.06	0.64	S	4.3	4	SE
20260818.09	0.63	S	4.1	5	SE
20260818.12	0.63	S	3.8	4	NW
20260818.15	0.66	S	3.6	3	W
20260818.18	0.65	SW	3.5	5	SW
20260818.21	0.60	SW	3.6	4	W
20260819.00	0.55	SW	3.7	3	NW
20260819.03	0.50	SW	3.8	2	NW
20260819.06	0.48	SW	3.6	1	SE
20260819.09	0.46	SW	3.4	1	N
20260819.12	0.41	SW	3.4	2	NW
20260819.15	0.37	SW	3.4	4	N
20260819.18	0.37	SW	2.9	6	W
20260819.21	0.43	SW	2.5	6	SW
20260820.00	0.48	SW	2.6	5	SW
20260820.03	0.41	SW	2.6	3	SW
20260820.06	0.36	SW	2.6	1	W
20260820.09	0.33	SW	2.8	0	NE
20260820.12	0.29	SW	2.9	2	E
20260820.15	0.27	SW	2.9	1	NE
20260820.18	0.31	SW	2.6	1	NE
20260820.21	0.36	SW	2.7	2	S
20260821.00	0.34	SW	2.8	3	E
20260821.03	0.33	SW	2.6	3	SW
20260821.06	0.41	SW	2.5	6	W
20260821.09	0.41	SW	2.5	4	SW
20260821.12	0.37	SW	2.5	3	E
20260821.15	0.31	SW	2.6	2	S
20260821.18	0.27	SW	2.8	1	SW
20260821.21	0.26	SW	2.8	1	SE
20260822.00	0.28	SW	2.5	1	E
20260822.03	0.31	SW	2.5	2	W
20260822.06	0.33	SW	2.6	3	NW
20260822.09	0.36	SW	2.5	5	W
20260822.12	0.46	SW	2.7	8	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.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department
 Phone. (717)2 79 83 12; E-mail: ugmikm@meteo.kz