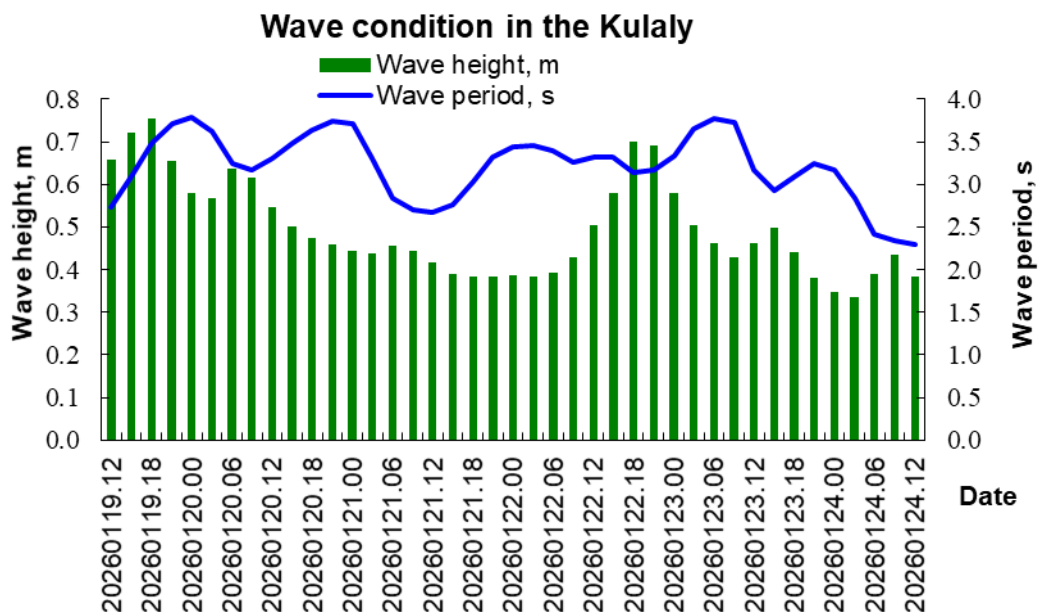
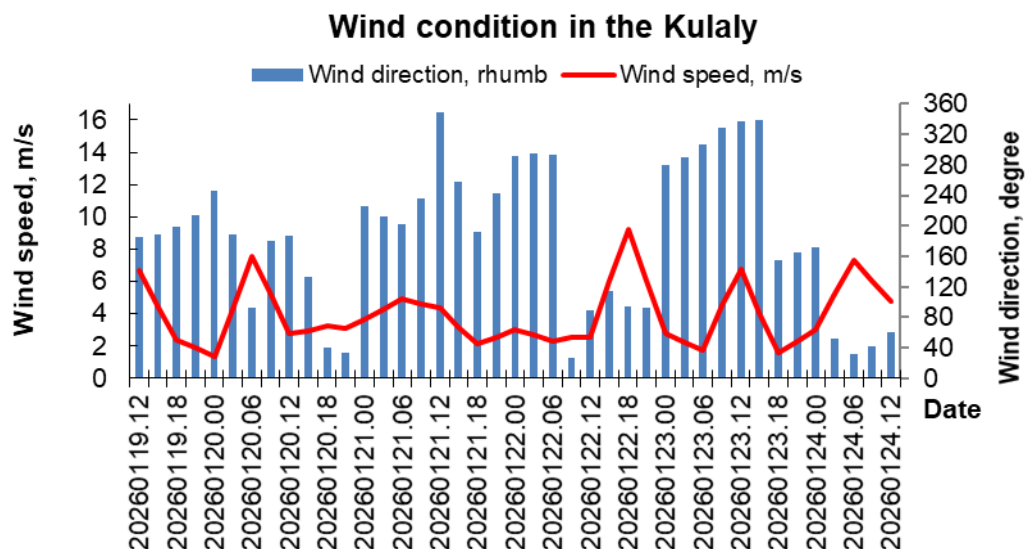




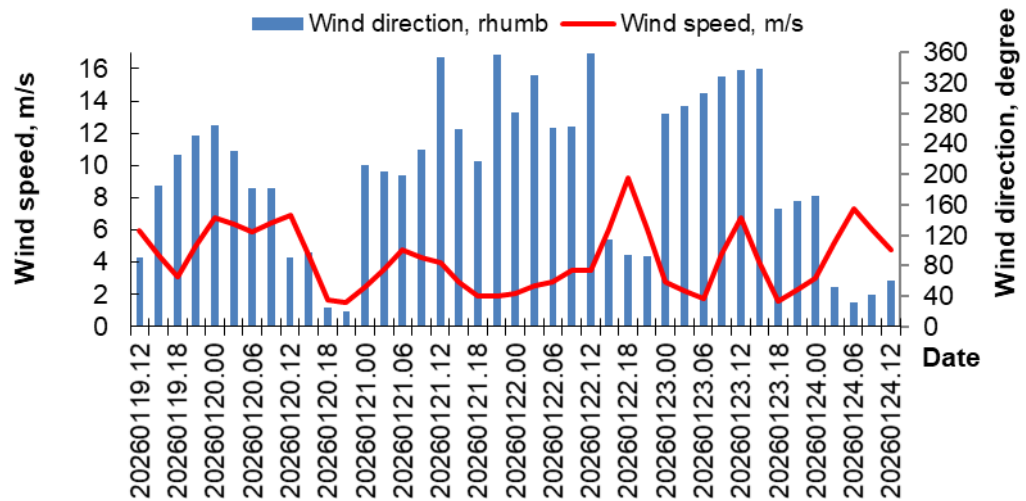
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period January 19 – 24, 2026 .**

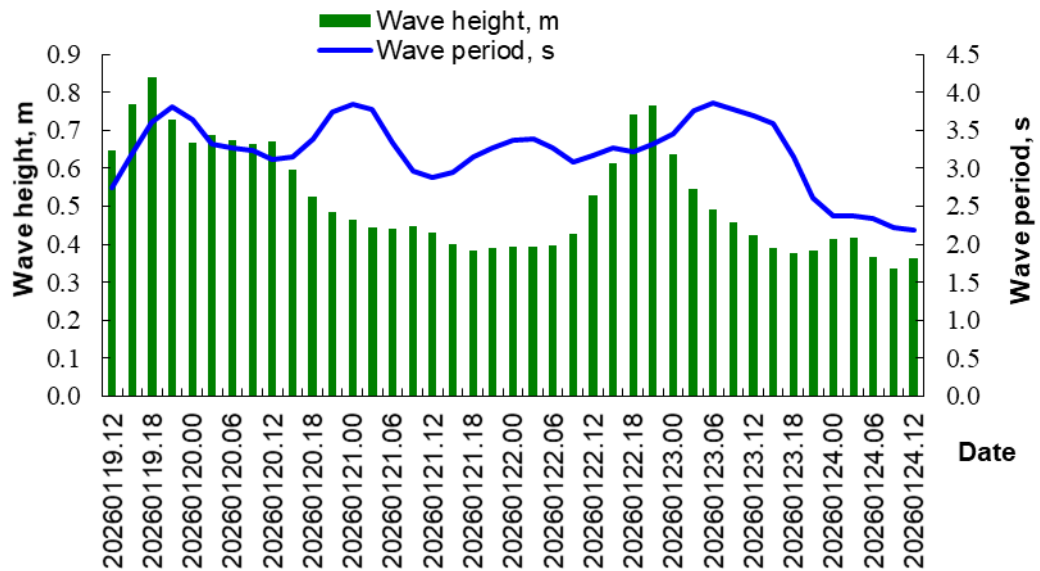


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.66	W	2.7	7	S
20260119.15	0.72	W	3.1	5	S
20260119.18	0.75	W	3.5	2	S
20260119.21	0.66	W	3.7	2	SW
20260120.00	0.58	W	3.8	1	SW
20260120.03	0.57	W	3.6	4	S
20260120.06	0.64	W	3.2	8	E
20260120.09	0.62	W	3.2	5	S
20260120.12	0.55	W	3.3	3	S
20260120.15	0.50	W	3.5	3	SE
20260120.18	0.48	W	3.6	3	NE
20260120.21	0.46	W	3.7	3	NE
20260121.00	0.45	W	3.7	4	SW
20260121.03	0.44	SW	3.3	4	SW
20260121.06	0.46	SW	2.8	5	S
20260121.09	0.44	SW	2.7	5	SW
20260121.12	0.42	SW	2.7	4	N
20260121.15	0.39	SW	2.8	3	W
20260121.18	0.38	SW	3.0	2	S
20260121.21	0.39	SW	3.3	3	SW
20260122.00	0.39	SW	3.4	3	W
20260122.03	0.38	SW	3.4	3	NW
20260122.06	0.39	SW	3.4	2	NW
20260122.09	0.43	SW	3.3	3	NE
20260122.12	0.50	SW	3.3	3	E
20260122.15	0.58	SW	3.3	6	SE
20260122.18	0.70	SW	3.1	9	E
20260122.21	0.69	SW	3.2	6	E
20260123.00	0.58	SW	3.3	3	W
20260123.03	0.50	SW	3.6	2	W
20260123.06	0.46	SW	3.8	2	NW
20260123.09	0.43	SW	3.7	5	NW
20260123.12	0.46	S	3.2	7	NW
20260123.15	0.50	S	2.9	4	N
20260123.18	0.44	S	3.1	2	SE
20260123.21	0.38	S	3.2	2	S
20260124.00	0.35	S	3.2	3	S
20260124.03	0.34	S	2.8	5	NE
20260124.06	0.39	E	2.4	7	NE
20260124.09	0.44	E	2.3	6	NE
20260124.12	0.38	NE	2.3	5	NE

Wind condition in the Fort-Shevchenko

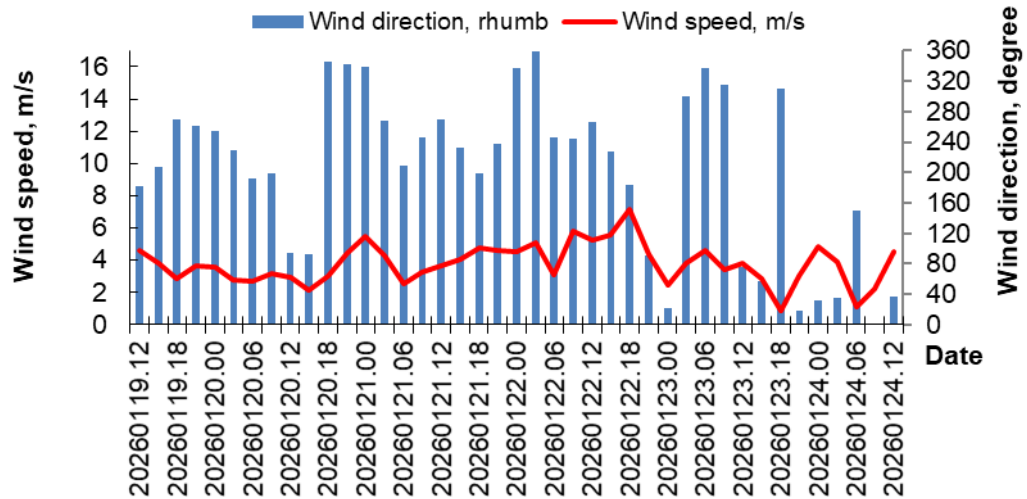


Wave condition in the Fort-Shevchenko

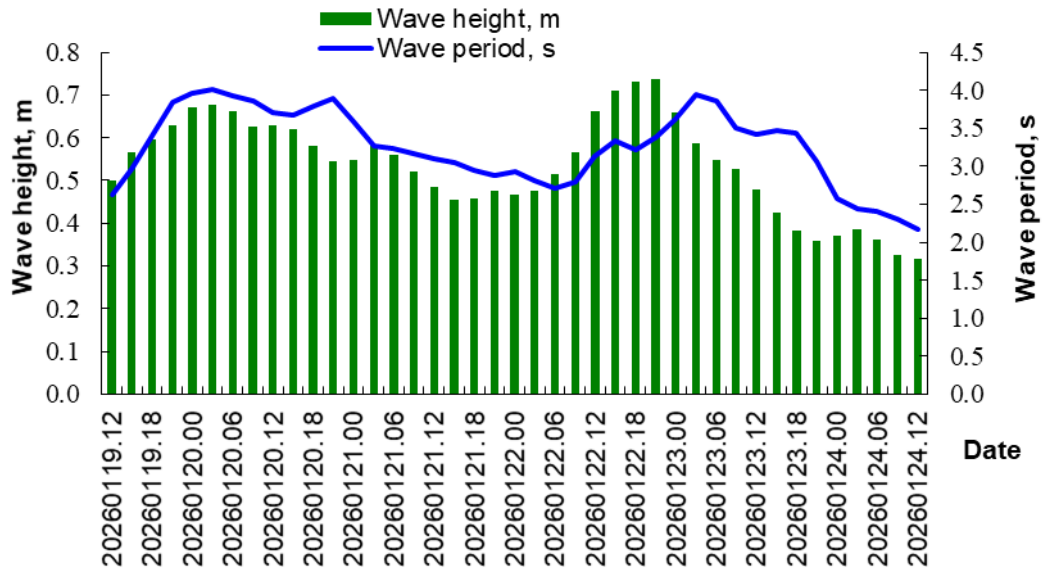


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.65	W	2.7	6	E
20260119.15	0.77	W	3.2	4	S
20260119.18	0.84	W	3.6	3	SW
20260119.21	0.73	W	3.8	5	W
20260120.00	0.67	W	3.6	7	W
20260120.03	0.69	SW	3.3	6	SW
20260120.06	0.67	W	3.3	6	S
20260120.09	0.66	W	3.2	6	S
20260120.12	0.67	W	3.1	7	E
20260120.15	0.60	W	3.1	4	E
20260120.18	0.52	W	3.4	2	NE
20260120.21	0.48	W	3.7	1	N
20260121.00	0.46	W	3.8	2	SW
20260121.03	0.44	W	3.8	4	SW
20260121.06	0.44	SW	3.3	5	S
20260121.09	0.45	SW	3.0	4	SW
20260121.12	0.43	SW	2.9	4	N
20260121.15	0.40	SW	3.0	3	W
20260121.18	0.38	SW	3.2	2	SW
20260121.21	0.39	SW	3.3	2	N
20260122.00	0.39	SW	3.4	2	W
20260122.03	0.39	SW	3.4	3	NW
20260122.06	0.40	SW	3.3	3	W
20260122.09	0.43	SW	3.1	3	W
20260122.12	0.53	SW	3.2	4	N
20260122.15	0.61	S	3.3	6	SE
20260122.18	0.74	SW	3.2	9	E
20260122.21	0.77	SW	3.3	6	E
20260123.00	0.64	SW	3.4	3	W
20260123.03	0.54	SW	3.8	2	W
20260123.06	0.49	SW	3.9	2	NW
20260123.09	0.46	SW	3.8	5	NW
20260123.12	0.42	SW	3.7	7	NW
20260123.15	0.39	SW	3.6	4	N
20260123.18	0.37	SW	3.2	2	SE
20260123.21	0.38	S	2.6	2	S
20260124.00	0.41	SE	2.4	3	S
20260124.03	0.42	E	2.4	5	NE
20260124.06	0.37	E	2.3	7	NE
20260124.09	0.34	E	2.2	6	NE
20260124.12	0.36	E	2.2	5	NE

Wind condition in the Aktau

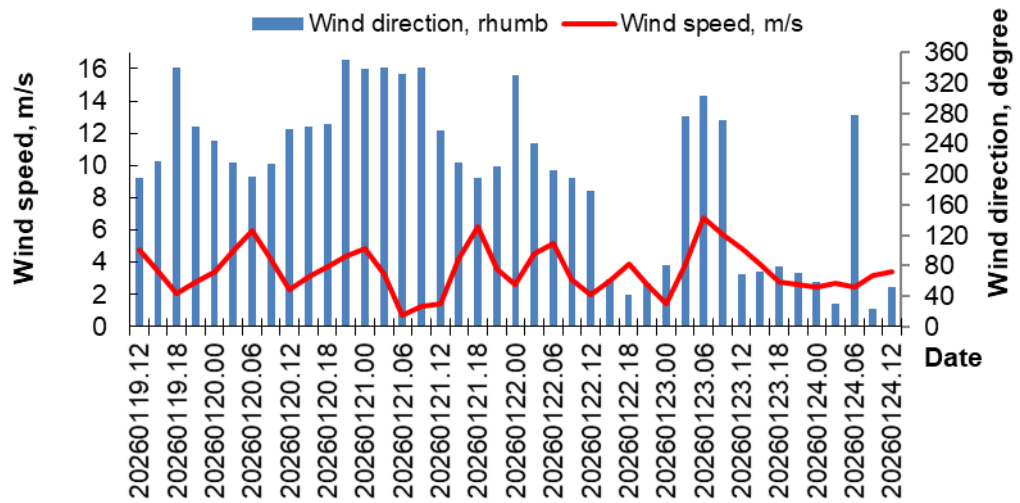


Wave condition in the Aktau

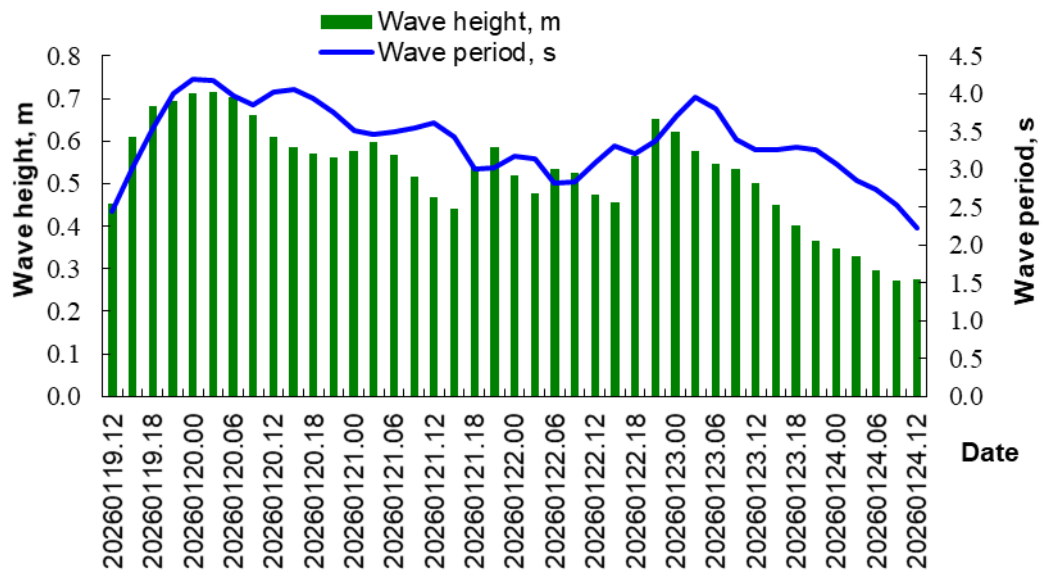


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260119.12	0.50	W	2.6	5	S
20260119.15	0.57	W	3.0	4	SW
20260119.18	0.60	W	3.4	3	W
20260119.21	0.63	W	3.8	4	W
20260120.00	0.67	W	4.0	4	W
20260120.03	0.68	W	4.0	3	SW
20260120.06	0.66	W	3.9	3	S
20260120.09	0.63	W	3.9	3	S
20260120.12	0.63	W	3.7	3	E
20260120.15	0.62	W	3.7	2	E
20260120.18	0.58	W	3.8	3	N
20260120.21	0.54	W	3.9	4	N
20260121.00	0.55	SW	3.6	6	N
20260121.03	0.58	SW	3.3	4	W
20260121.06	0.56	SW	3.2	3	SW
20260121.09	0.52	SW	3.2	3	SW
20260121.12	0.48	SW	3.1	4	W
20260121.15	0.45	SW	3.1	4	SW
20260121.18	0.46	SW	2.9	5	S
20260121.21	0.48	SW	2.9	5	SW
20260122.00	0.47	SW	2.9	5	NW
20260122.03	0.48	SW	2.8	5	N
20260122.06	0.52	SW	2.7	3	SW
20260122.09	0.57	SW	2.8	6	SW
20260122.12	0.66	SW	3.1	5	W
20260122.15	0.71	SW	3.3	6	SW
20260122.18	0.73	SW	3.2	7	S
20260122.21	0.74	SW	3.4	4	E
20260123.00	0.66	SW	3.6	2	N
20260123.03	0.59	SW	3.9	4	NW
20260123.06	0.55	SW	3.9	5	NW
20260123.09	0.53	SW	3.5	3	NW
20260123.12	0.48	SW	3.4	4	E
20260123.15	0.43	SW	3.5	3	NE
20260123.18	0.38	SW	3.4	1	NW
20260123.21	0.36	SW	3.1	3	N
20260124.00	0.37	S	2.6	5	NE
20260124.03	0.39	E	2.4	4	NE
20260124.06	0.36	E	2.4	1	SE
20260124.09	0.32	NE	2.3	2	N
20260124.12	0.32	E	2.2	5	NE

Wind condition in the Peschanyi

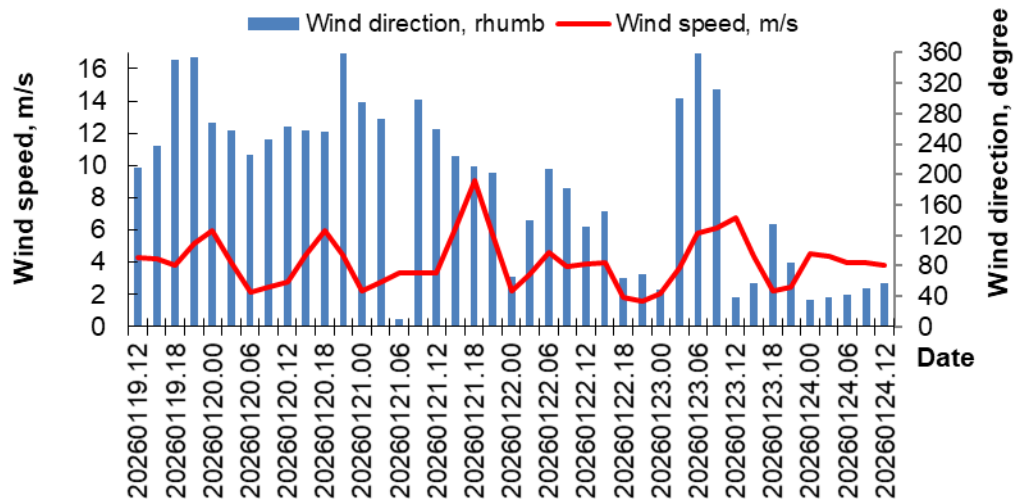


Wave condition in the Peschanyi

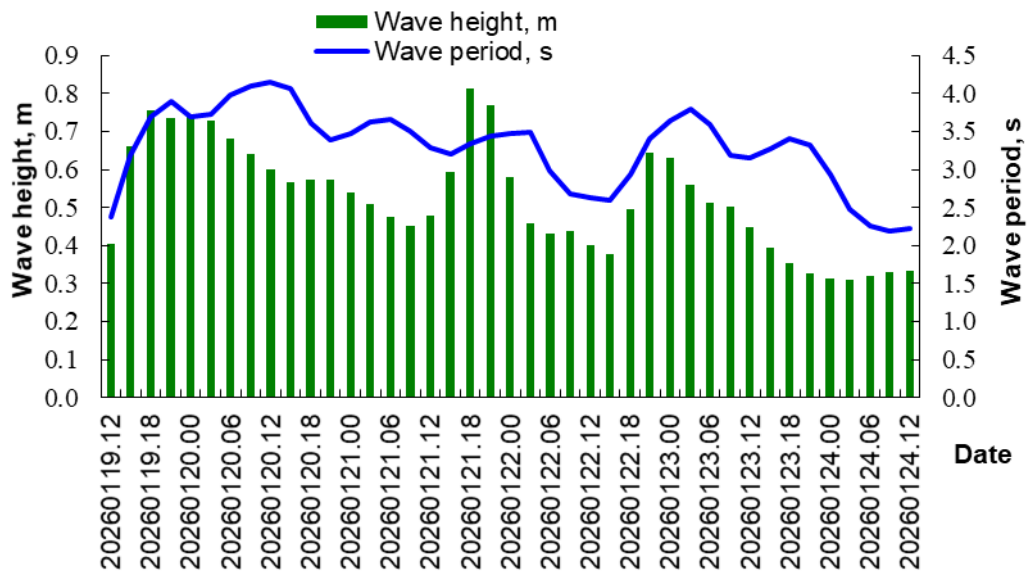


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.45	W	2.4	5	S
20260119.15	0.61	W	3.0	3	SW
20260119.18	0.68	W	3.6	2	N
20260119.21	0.69	W	4.0	3	W
20260120.00	0.71	W	4.2	3	SW
20260120.03	0.72	W	4.2	5	SW
20260120.06	0.70	W	4.0	6	S
20260120.09	0.66	W	3.9	4	SW
20260120.12	0.61	W	4.0	2	W
20260120.15	0.58	W	4.1	3	W
20260120.18	0.57	W	3.9	4	W
20260120.21	0.56	W	3.8	4	N
20260121.00	0.58	SW	3.5	5	N
20260121.03	0.60	SW	3.5	3	N
20260121.06	0.57	SW	3.5	1	NW
20260121.09	0.52	SW	3.5	1	N
20260121.12	0.47	SW	3.6	1	W
20260121.15	0.44	SW	3.4	4	SW
20260121.18	0.54	SW	3.0	6	S
20260121.21	0.59	SW	3.0	4	SW
20260122.00	0.52	SW	3.2	3	NW
20260122.03	0.48	SW	3.1	5	SW
20260122.06	0.53	SW	2.8	5	SW
20260122.09	0.53	SW	2.8	3	S
20260122.12	0.47	SW	3.1	2	S
20260122.15	0.46	SW	3.3	3	NE
20260122.18	0.56	SW	3.2	4	NE
20260122.21	0.65	SW	3.4	3	NE
20260123.00	0.62	SW	3.7	1	E
20260123.03	0.58	SW	4.0	4	W
20260123.06	0.55	SW	3.8	7	NW
20260123.09	0.53	SW	3.4	6	W
20260123.12	0.50	SW	3.3	5	E
20260123.15	0.45	SW	3.3	4	E
20260123.18	0.40	SW	3.3	3	E
20260123.21	0.37	SW	3.3	3	E
20260124.00	0.35	W	3.1	2	NE
20260124.03	0.33	W	2.9	3	NE
20260124.06	0.30	W	2.7	2	W
20260124.09	0.27	W	2.5	3	NE
20260124.12	0.28	NE	2.2	3	NE

Wind condition in the Fetisovo

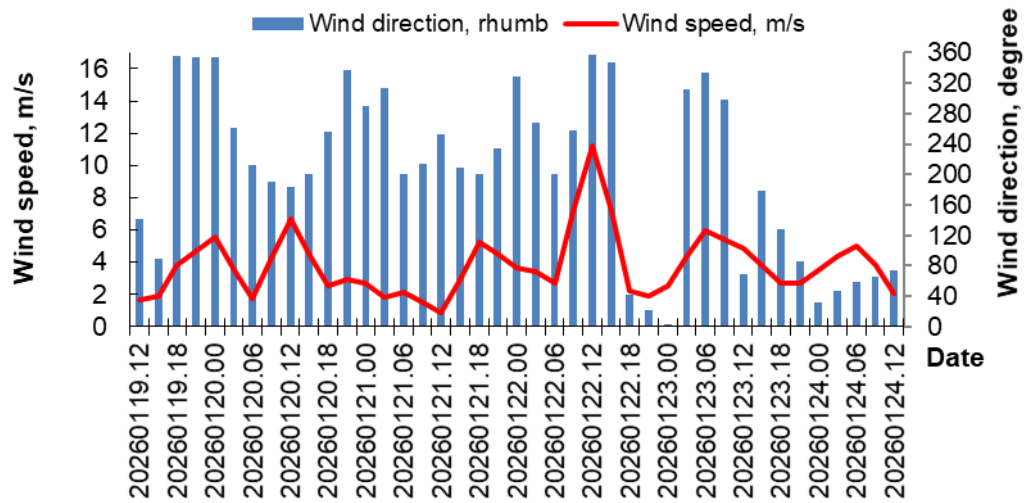


Wave condition in the Fetisovo

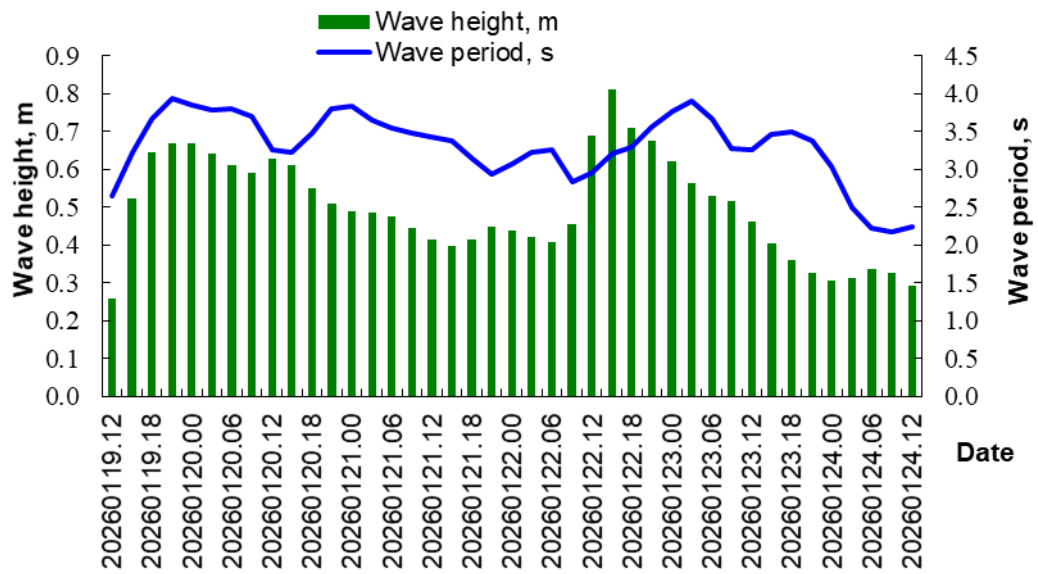


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.40	SW	2.4	4	SW
20260119.15	0.66	W	3.2	4	SW
20260119.18	0.75	W	3.7	4	N
20260119.21	0.73	W	3.9	5	N
20260120.00	0.74	SW	3.7	6	W
20260120.03	0.73	SW	3.7	4	W
20260120.06	0.68	W	4.0	2	SW
20260120.09	0.64	W	4.1	2	SW
20260120.12	0.60	W	4.1	3	W
20260120.15	0.57	W	4.1	4	W
20260120.18	0.57	W	3.6	6	W
20260120.21	0.57	W	3.4	4	N
20260121.00	0.54	W	3.5	2	NW
20260121.03	0.51	W	3.6	3	W
20260121.06	0.48	W	3.7	3	N
20260121.09	0.45	W	3.5	3	NW
20260121.12	0.48	SW	3.3	3	W
20260121.15	0.59	SW	3.2	6	SW
20260121.18	0.81	SW	3.3	9	SW
20260121.21	0.77	SW	3.4	6	S
20260122.00	0.58	SW	3.5	2	NE
20260122.03	0.46	SW	3.5	3	SE
20260122.06	0.43	SW	3.0	5	SW
20260122.09	0.44	W	2.7	4	S
20260122.12	0.40	W	2.6	4	SE
20260122.15	0.38	W	2.6	4	SE
20260122.18	0.50	W	2.9	2	NE
20260122.21	0.64	W	3.4	2	E
20260123.00	0.63	W	3.6	2	NE
20260123.03	0.56	W	3.8	4	NW
20260123.06	0.51	W	3.6	6	N
20260123.09	0.50	SW	3.2	6	NW
20260123.12	0.45	SW	3.2	7	NE
20260123.15	0.39	SW	3.3	4	NE
20260123.18	0.35	SW	3.4	2	SE
20260123.21	0.33	W	3.3	2	E
20260124.00	0.31	W	2.9	5	NE
20260124.03	0.31	W	2.5	4	NE
20260124.06	0.32	NW	2.3	4	NE
20260124.09	0.33	N	2.2	4	NE
20260124.12	0.33	NE	2.2	4	NE

Wind condition in the Saura

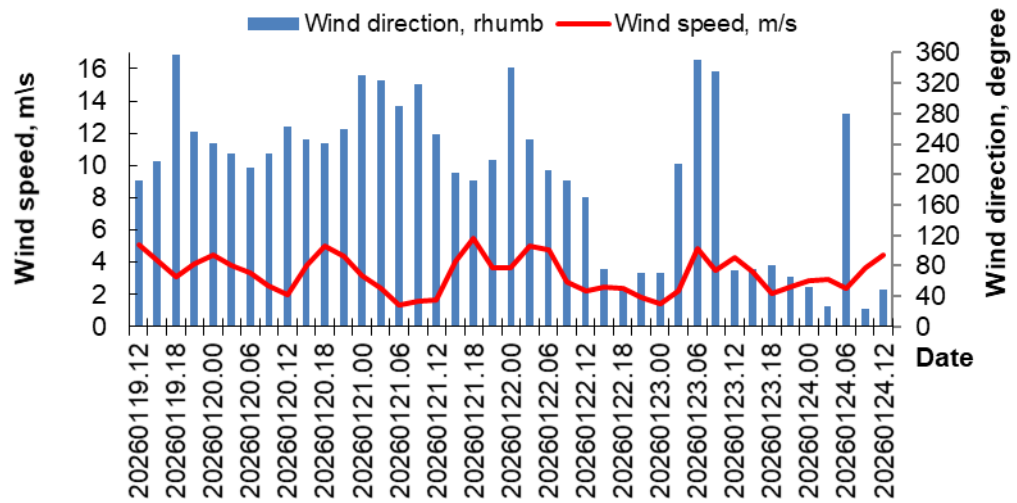


Wave condition in the Saura

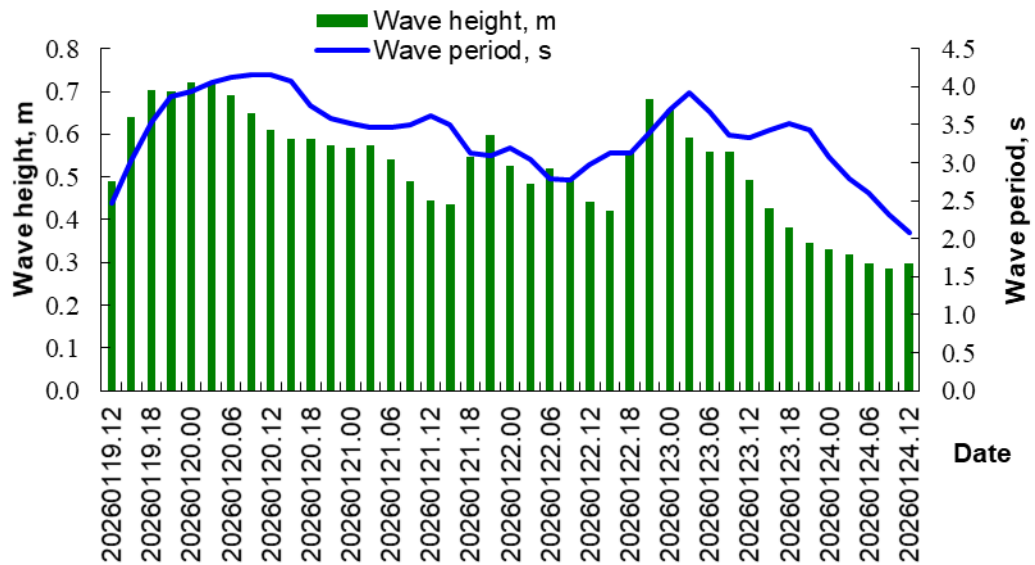


Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.26	W	2.6	2	SE
20260119.15	0.52	W	3.2	2	E
20260119.18	0.65	W	3.7	4	N
20260119.21	0.67	W	3.9	5	N
20260120.00	0.67	W	3.9	6	N
20260120.03	0.64	W	3.8	3	W
20260120.06	0.61	W	3.8	2	SW
20260120.09	0.59	W	3.7	4	S
20260120.12	0.63	W	3.3	7	S
20260120.15	0.61	W	3.2	5	S
20260120.18	0.55	W	3.5	3	W
20260120.21	0.51	W	3.8	3	NW
20260121.00	0.49	W	3.8	3	W
20260121.03	0.49	SW	3.7	2	NW
20260121.06	0.48	SW	3.5	2	S
20260121.09	0.45	SW	3.5	2	SW
20260121.12	0.41	SW	3.4	1	W
20260121.15	0.40	SW	3.4	3	SW
20260121.18	0.41	SW	3.1	5	S
20260121.21	0.45	SW	2.9	5	SW
20260122.00	0.44	SW	3.1	4	NW
20260122.03	0.42	SW	3.2	3	W
20260122.06	0.41	SW	3.3	3	S
20260122.09	0.45	SW	2.8	7	W
20260122.12	0.69	S	3.0	11	N
20260122.15	0.81	S	3.2	7	N
20260122.18	0.71	S	3.3	2	NE
20260122.21	0.68	SW	3.6	2	NE
20260123.00	0.62	SW	3.8	3	N
20260123.03	0.56	SW	3.9	4	NW
20260123.06	0.53	SW	3.7	6	NW
20260123.09	0.52	SW	3.3	5	NW
20260123.12	0.46	SW	3.3	5	E
20260123.15	0.40	SW	3.5	4	S
20260123.18	0.36	SW	3.5	3	SE
20260123.21	0.33	SW	3.4	3	E
20260124.00	0.31	SW	3.0	4	NE
20260124.03	0.31	S	2.5	4	NE
20260124.06	0.34	E	2.2	5	NE
20260124.09	0.33	E	2.2	4	NE
20260124.12	0.29	E	2.2	2	E

Wind condition in the Kuryik



Wave condition in the Kuryik



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260119.12	0.49	W	2.5	5	S
20260119.15	0.64	W	3.0	4	SW
20260119.18	0.70	W	3.5	3	N
20260119.21	0.70	W	3.9	4	W
20260120.00	0.72	W	3.9	4	SW
20260120.03	0.72	W	4.1	4	SW
20260120.06	0.69	W	4.1	3	SW
20260120.09	0.65	W	4.2	3	SW
20260120.12	0.61	W	4.2	2	W
20260120.15	0.59	W	4.1	4	SW
20260120.18	0.59	W	3.8	5	SW
20260120.21	0.57	W	3.6	4	W
20260121.00	0.57	SW	3.5	3	NW
20260121.03	0.57	SW	3.5	2	NW
20260121.06	0.54	SW	3.5	1	W
20260121.09	0.49	SW	3.5	2	NW
20260121.12	0.45	SW	3.6	2	W
20260121.15	0.44	SW	3.5	4	S
20260121.18	0.55	SW	3.1	5	S
20260121.21	0.60	SW	3.1	4	SW
20260122.00	0.53	SW	3.2	4	N
20260122.03	0.49	SW	3.0	5	SW
20260122.06	0.52	SW	2.8	5	SW
20260122.09	0.50	SW	2.8	3	S
20260122.12	0.44	SW	3.0	2	S
20260122.15	0.42	SW	3.1	2	E
20260122.18	0.56	W	3.1	2	NE
20260122.21	0.68	W	3.4	2	E
20260123.00	0.66	SW	3.7	1	E
20260123.03	0.59	SW	3.9	2	SW
20260123.06	0.56	SW	3.7	5	N
20260123.09	0.56	SW	3.4	4	NW
20260123.12	0.49	SW	3.3	4	E
20260123.15	0.43	SW	3.4	3	E
20260123.18	0.38	SW	3.5	2	E
20260123.21	0.35	SW	3.4	2	NE
20260124.00	0.33	W	3.1	3	NE
20260124.03	0.32	W	2.8	3	NE
20260124.06	0.30	W	2.6	2	W
20260124.09	0.29	NW	2.3	4	NE
20260124.12	0.30	NE	2.1	4	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

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