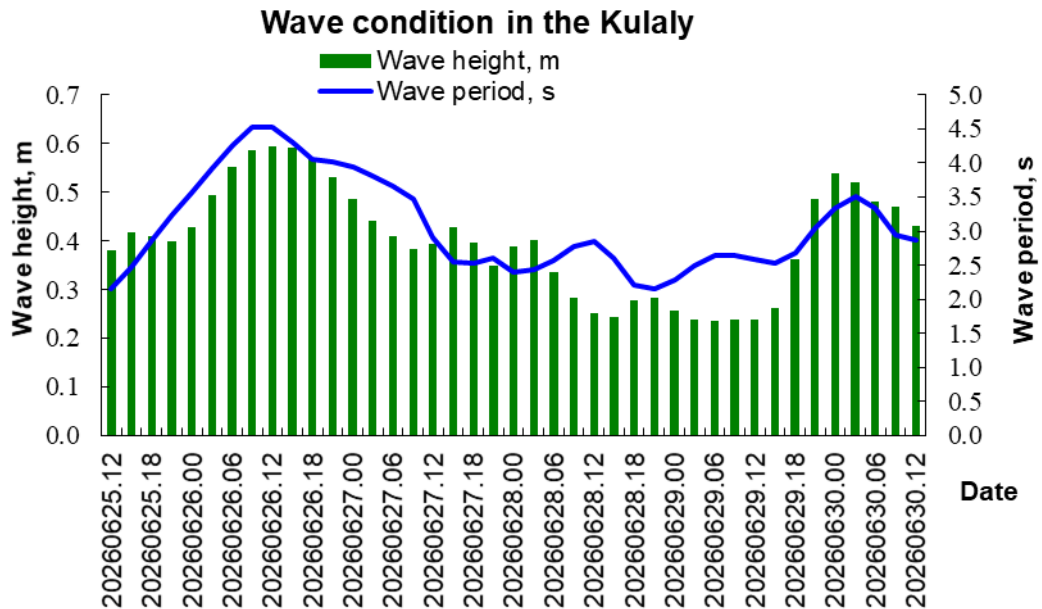
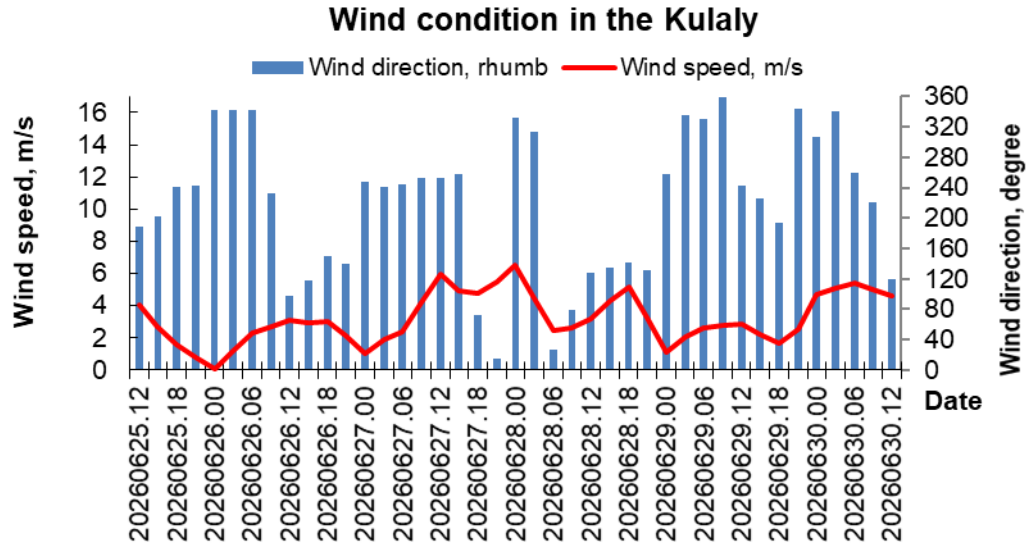




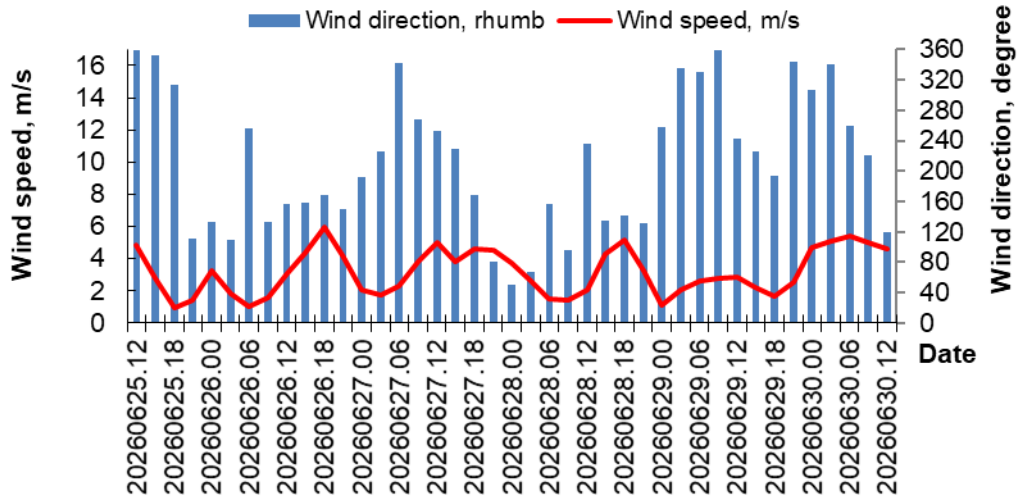
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period June 25 – 30, 2026 .**

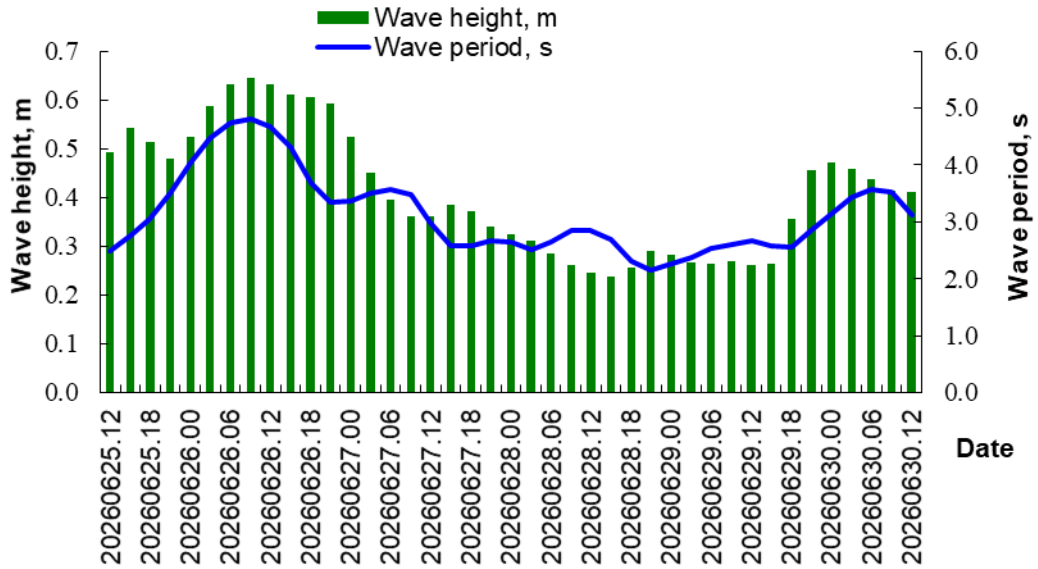


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.38	W	2.2	4	S
20260625.15	0.42	W	2.5	3	S
20260625.18	0.41	SW	2.9	2	SW
20260625.21	0.40	SW	3.3	1	SW
20260626.00	0.43	S	3.6	0	N
20260626.03	0.49	SE	3.9	1	N
20260626.06	0.55	SE	4.3	2	N
20260626.09	0.59	SE	4.5	3	SW
20260626.12	0.59	SE	4.5	3	E
20260626.15	0.59	SE	4.3	3	SE
20260626.18	0.57	SE	4.1	3	SE
20260626.21	0.53	SE	4.0	2	SE
20260627.00	0.49	SE	3.9	1	SW
20260627.03	0.44	SE	3.8	2	SW
20260627.06	0.41	SE	3.7	2	SW
20260627.09	0.38	S	3.5	4	W
20260627.12	0.39	S	2.9	6	W
20260627.15	0.43	S	2.5	5	W
20260627.18	0.40	S	2.5	5	E
20260627.21	0.35	SW	2.6	5	N
20260628.00	0.39	S	2.4	7	NW
20260628.03	0.40	S	2.4	4	NW
20260628.06	0.34	S	2.6	2	NE
20260628.09	0.28	S	2.8	3	E
20260628.12	0.25	SW	2.8	3	SE
20260628.15	0.24	SW	2.6	4	SE
20260628.18	0.28	W	2.2	5	SE
20260628.21	0.28	W	2.2	3	SE
20260629.00	0.26	W	2.3	1	W
20260629.03	0.24	W	2.5	2	NW
20260629.06	0.23	W	2.6	3	NW
20260629.09	0.24	SW	2.7	3	N
20260629.12	0.24	SW	2.6	3	SW
20260629.15	0.26	W	2.5	2	SW
20260629.18	0.36	W	2.7	2	S
20260629.21	0.49	W	3.0	3	N
20260630.00	0.54	W	3.3	5	NW
20260630.03	0.52	W	3.5	5	N
20260630.06	0.48	W	3.3	5	W
20260630.09	0.47	W	2.9	5	SW
20260630.12	0.43	W	2.9	5	SE

Wind condition in the Fort-Shevchenko

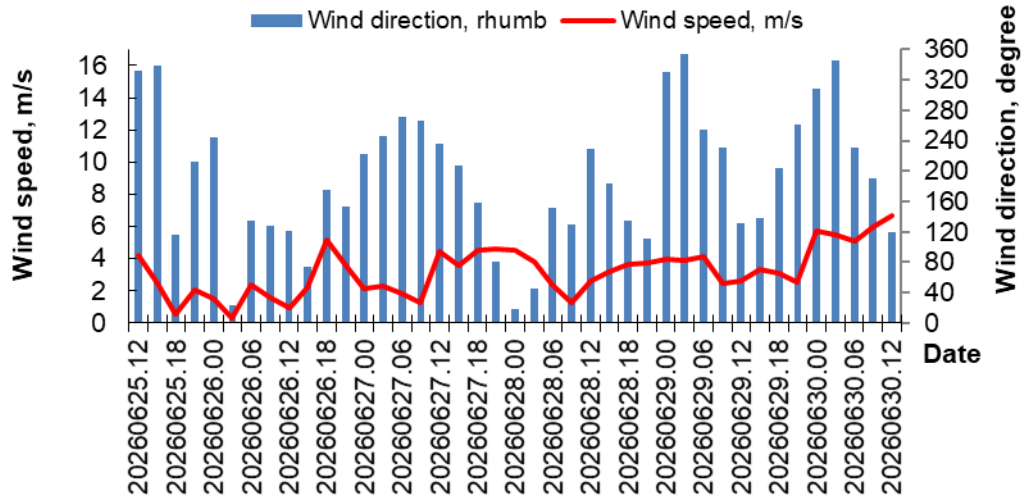


Wave condition in the Fort-Shevchenko

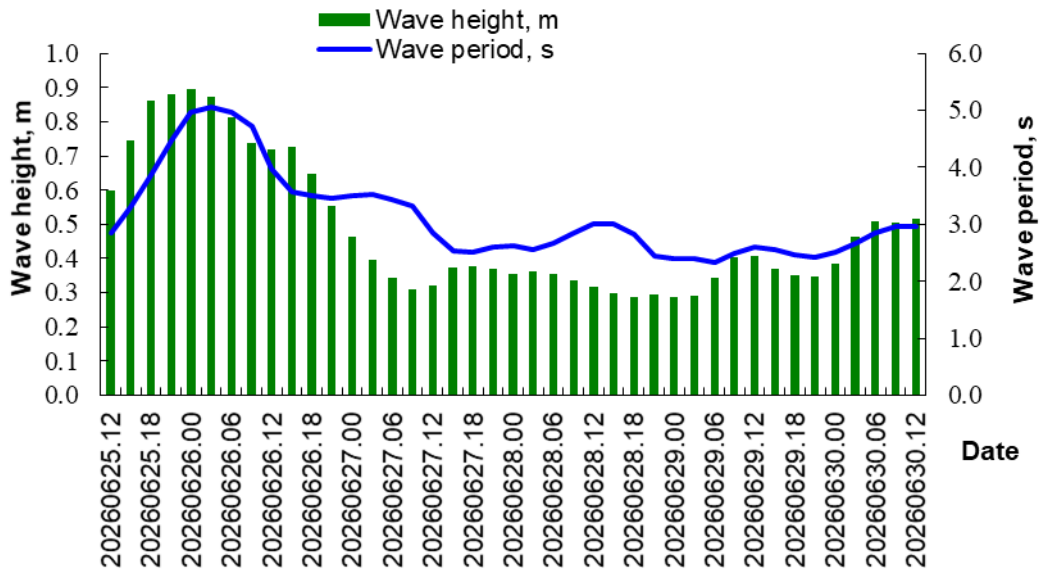


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.49	S	2.5	5	N
20260625.15	0.54	S	2.8	3	N
20260625.18	0.51	S	3.1	1	NW
20260625.21	0.48	S	3.5	1	E
20260626.00	0.52	SE	4.0	3	SE
20260626.03	0.59	SE	4.5	2	E
20260626.06	0.63	SE	4.7	1	W
20260626.09	0.65	SE	4.8	2	SE
20260626.12	0.63	SE	4.7	3	SE
20260626.15	0.61	SE	4.3	4	S
20260626.18	0.61	SE	3.7	6	S
20260626.21	0.59	SE	3.3	4	SE
20260627.00	0.52	SE	3.4	2	S
20260627.03	0.45	SE	3.5	2	SW
20260627.06	0.40	SE	3.6	2	N
20260627.09	0.36	S	3.5	4	W
20260627.12	0.36	S	3.0	5	W
20260627.15	0.39	S	2.6	4	SW
20260627.18	0.37	SW	2.6	5	S
20260627.21	0.34	SW	2.7	5	E
20260628.00	0.32	W	2.6	4	NE
20260628.03	0.31	W	2.5	3	E
20260628.06	0.29	SW	2.7	2	SE
20260628.09	0.26	SW	2.8	1	E
20260628.12	0.24	SW	2.9	2	SW
20260628.15	0.24	SW	2.7	4	SE
20260628.18	0.26	W	2.3	5	SE
20260628.21	0.29	NW	2.1	3	SE
20260629.00	0.28	NW	2.3	1	W
20260629.03	0.27	NW	2.4	2	NW
20260629.06	0.26	W	2.5	3	NW
20260629.09	0.27	SW	2.6	3	N
20260629.12	0.26	SW	2.7	3	SW
20260629.15	0.26	SW	2.6	2	SW
20260629.18	0.35	W	2.6	2	S
20260629.21	0.46	W	2.8	3	N
20260630.00	0.47	W	3.1	5	NW
20260630.03	0.46	W	3.4	5	N
20260630.06	0.44	W	3.6	5	W
20260630.09	0.41	W	3.5	5	SW
20260630.12	0.41	W	3.1	5	SE

Wind condition in the Aktau

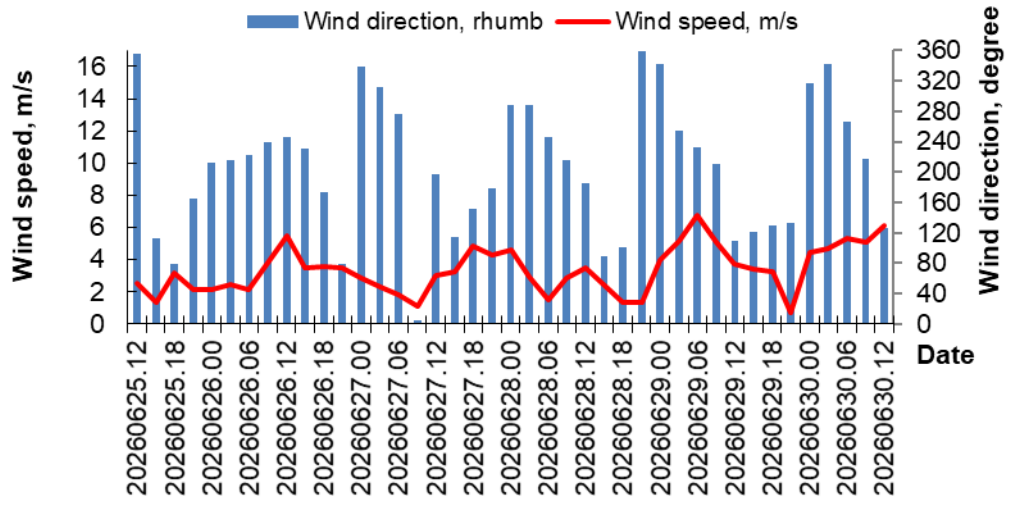


Wave condition in the Aktau

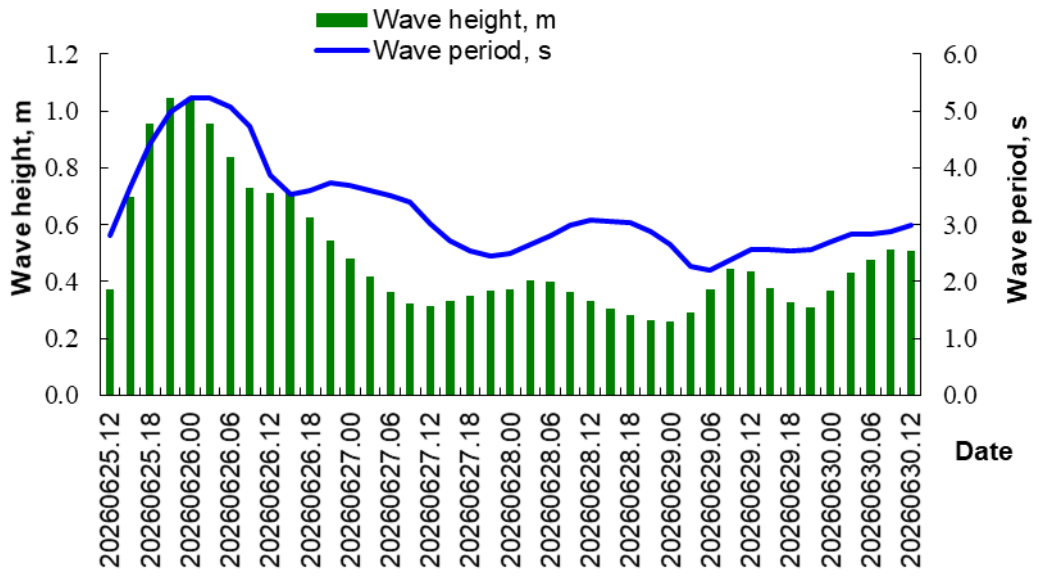


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260625.12	0.60	SE	2.8	4	NW
20260625.15	0.74	SE	3.3	2	N
20260625.18	0.86	SE	3.9	1	SE
20260625.21	0.88	SE	4.5	2	SW
20260626.00	0.89	SE	5.0	2	SW
20260626.03	0.87	SE	5.1	0	NE
20260626.06	0.81	SE	5.0	2	SE
20260626.09	0.74	SE	4.7	2	SE
20260626.12	0.72	SE	4.0	1	SE
20260626.15	0.72	S	3.6	2	E
20260626.18	0.65	S	3.5	5	S
20260626.21	0.55	S	3.5	4	SE
20260627.00	0.46	S	3.5	2	SW
20260627.03	0.39	S	3.5	2	SW
20260627.06	0.35	SW	3.4	2	W
20260627.09	0.31	SW	3.3	1	W
20260627.12	0.32	SW	2.8	4	SW
20260627.15	0.37	SW	2.5	4	SW
20260627.18	0.38	SW	2.5	5	S
20260627.21	0.37	W	2.6	5	E
20260628.00	0.36	W	2.6	4	N
20260628.03	0.36	W	2.6	4	NE
20260628.06	0.35	NW	2.7	2	SE
20260628.09	0.34	N	2.9	1	SE
20260628.12	0.32	E	3.0	3	SW
20260628.15	0.30	E	3.0	3	S
20260628.18	0.29	N	2.8	4	SE
20260628.21	0.29	NW	2.4	4	E
20260629.00	0.29	NW	2.4	4	NW
20260629.03	0.29	W	2.4	4	N
20260629.06	0.34	SW	2.3	4	W
20260629.09	0.40	SW	2.5	2	SW
20260629.12	0.41	SW	2.6	3	SE
20260629.15	0.37	W	2.6	3	SE
20260629.18	0.35	W	2.5	3	SW
20260629.21	0.35	W	2.4	3	W
20260630.00	0.38	W	2.5	6	NW
20260630.03	0.46	S	2.7	5	N
20260630.06	0.51	S	2.9	5	SW
20260630.09	0.50	SW	3.0	6	S
20260630.12	0.52	W	3.0	7	SE

Wind condition in the Peschanyi

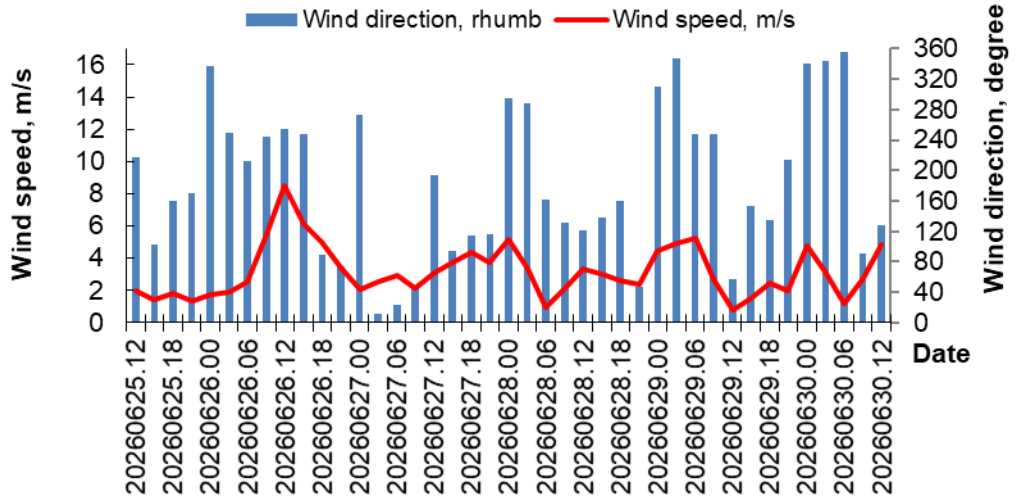


Wave condition in the Peschanyi

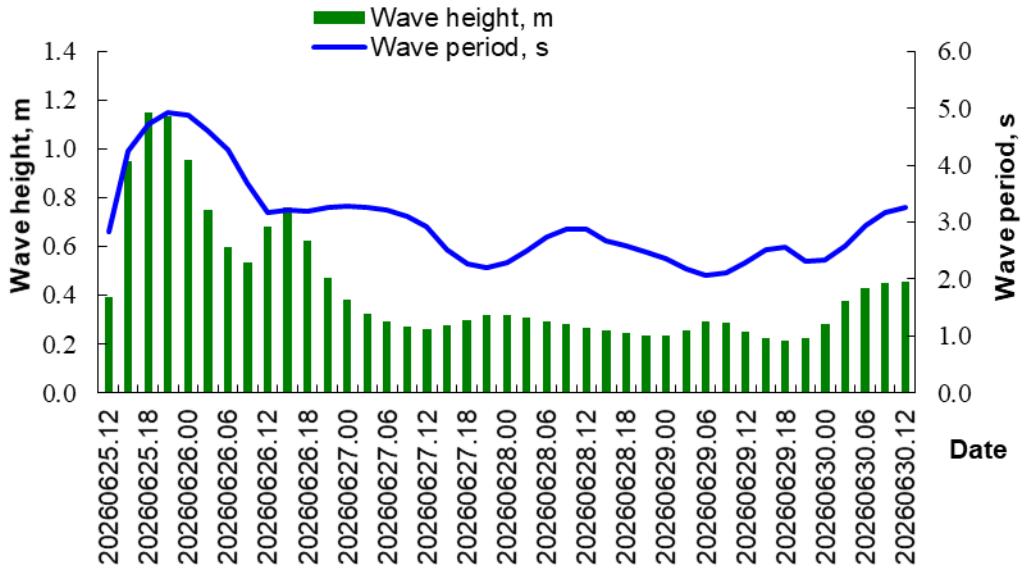


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.37	SE	2.8	3	N
20260625.15	0.70	SE	3.7	1	SE
20260625.18	0.95	SE	4.4	3	E
20260625.21	1.05	SE	5.0	2	S
20260626.00	1.04	SE	5.2	2	SW
20260626.03	0.96	SE	5.2	2	SW
20260626.06	0.84	SE	5.1	2	SW
20260626.09	0.73	SE	4.7	4	SW
20260626.12	0.71	S	3.9	5	SW
20260626.15	0.71	S	3.5	4	SW
20260626.18	0.63	S	3.6	4	S
20260626.21	0.55	S	3.7	3	E
20260627.00	0.48	S	3.7	3	N
20260627.03	0.42	SW	3.6	2	NW
20260627.06	0.36	SW	3.5	2	W
20260627.09	0.32	SW	3.4	1	N
20260627.12	0.31	SW	3.0	3	S
20260627.15	0.33	SW	2.7	3	SE
20260627.18	0.35	SW	2.5	5	SE
20260627.21	0.37	W	2.5	4	S
20260628.00	0.37	W	2.5	5	W
20260628.03	0.40	E	2.6	3	W
20260628.06	0.40	E	2.8	2	SW
20260628.09	0.36	E	3.0	3	SW
20260628.12	0.33	E	3.1	3	S
20260628.15	0.30	SE	3.1	2	E
20260628.18	0.28	S	3.0	1	E
20260628.21	0.26	W	2.9	1	N
20260629.00	0.26	W	2.7	4	N
20260629.03	0.29	SW	2.3	5	W
20260629.06	0.37	SW	2.2	7	SW
20260629.09	0.45	SW	2.4	5	SW
20260629.12	0.44	SW	2.6	4	E
20260629.15	0.38	SW	2.6	3	SE
20260629.18	0.33	W	2.5	3	SE
20260629.21	0.31	W	2.6	1	SE
20260630.00	0.37	S	2.7	4	NW
20260630.03	0.43	SE	2.8	5	N
20260630.06	0.47	S	2.8	5	W
20260630.09	0.51	S	2.9	5	SW
20260630.12	0.51	SW	3.0	6	SE

Wind condition in the Fetisovo

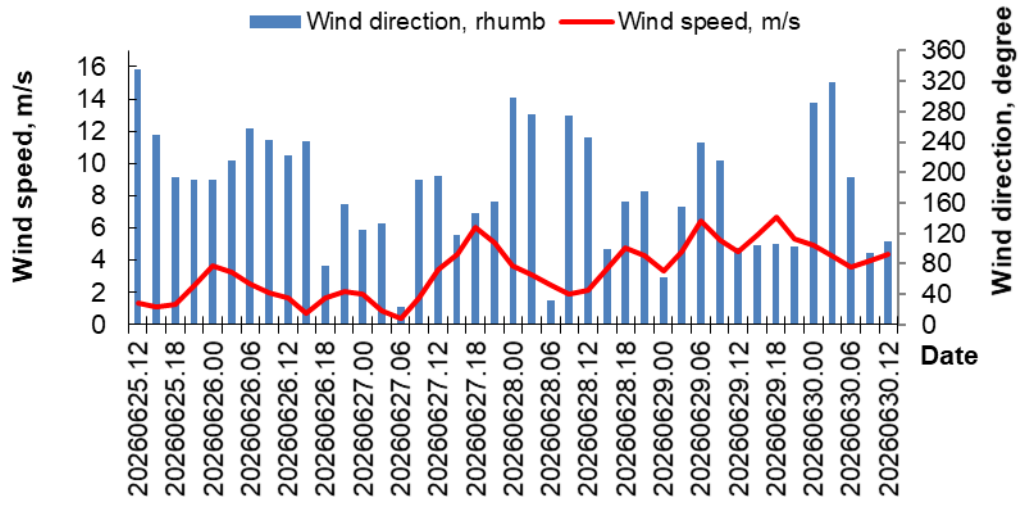


Wave condition in the Fetisovo

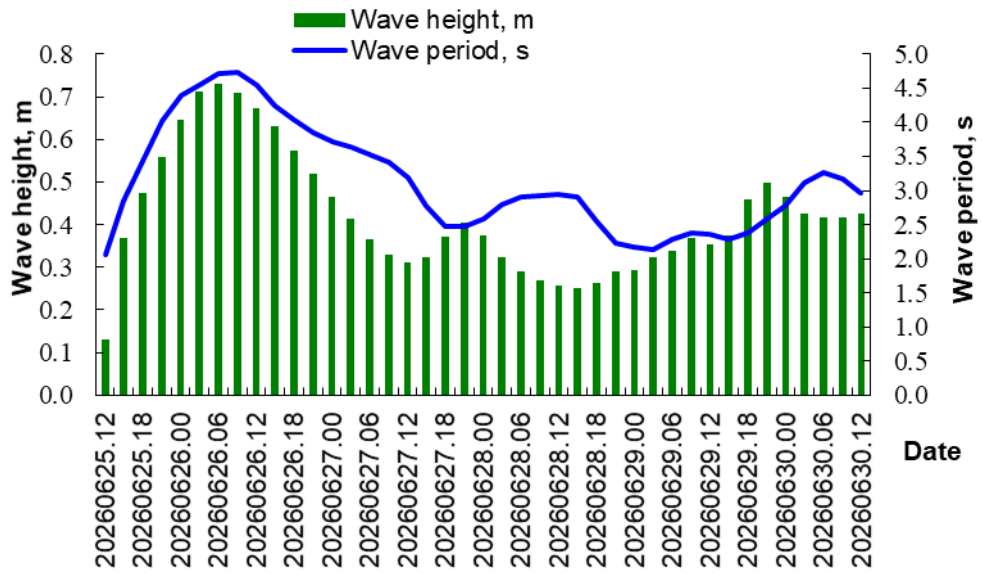


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.39	S	2.8	2	SW
20260625.15	0.95	SE	4.2	1	E
20260625.18	1.15	SE	4.7	2	S
20260625.21	1.13	SE	4.9	1	S
20260626.00	0.96	SE	4.9	2	N
20260626.03	0.75	SE	4.6	2	W
20260626.06	0.60	SE	4.3	3	SW
20260626.09	0.54	S	3.7	5	SW
20260626.12	0.68	S	3.2	9	W
20260626.15	0.76	S	3.2	6	W
20260626.18	0.62	SW	3.2	5	E
20260626.21	0.47	SW	3.3	3	E
20260627.00	0.38	SW	3.3	2	W
20260627.03	0.33	SW	3.3	3	N
20260627.06	0.29	W	3.2	3	NE
20260627.09	0.27	W	3.1	2	NE
20260627.12	0.26	W	2.9	3	S
20260627.15	0.28	W	2.5	4	E
20260627.18	0.30	W	2.3	4	SE
20260627.21	0.32	W	2.2	4	SE
20260628.00	0.32	W	2.3	5	NW
20260628.03	0.31	W	2.5	3	W
20260628.06	0.29	W	2.7	1	S
20260628.09	0.28	W	2.9	2	SE
20260628.12	0.27	W	2.9	3	SE
20260628.15	0.26	NW	2.7	3	SE
20260628.18	0.25	NW	2.6	3	S
20260628.21	0.24	NW	2.5	2	NE
20260629.00	0.24	NW	2.4	4	NW
20260629.03	0.25	SW	2.2	5	N
20260629.06	0.29	S	2.1	5	W
20260629.09	0.29	SW	2.1	3	W
20260629.12	0.25	SW	2.3	1	NE
20260629.15	0.23	SW	2.5	2	SE
20260629.18	0.21	W	2.6	2	SE
20260629.21	0.22	W	2.3	2	SW
20260630.00	0.28	S	2.3	5	N
20260630.03	0.38	SE	2.6	3	N
20260630.06	0.43	S	2.9	1	N
20260630.09	0.45	S	3.2	3	E
20260630.12	0.46	S	3.3	5	SE

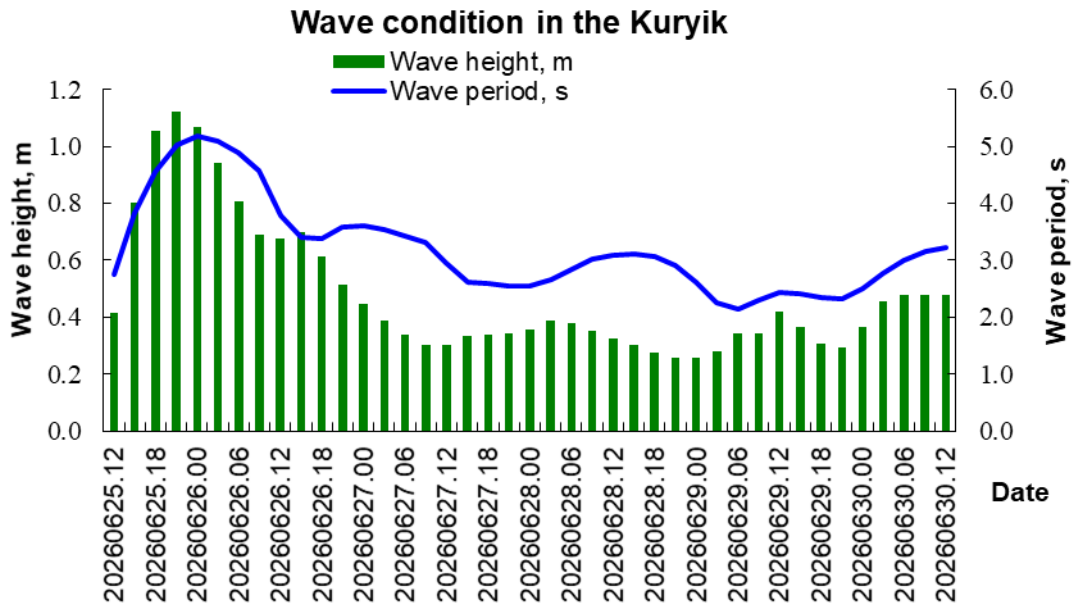
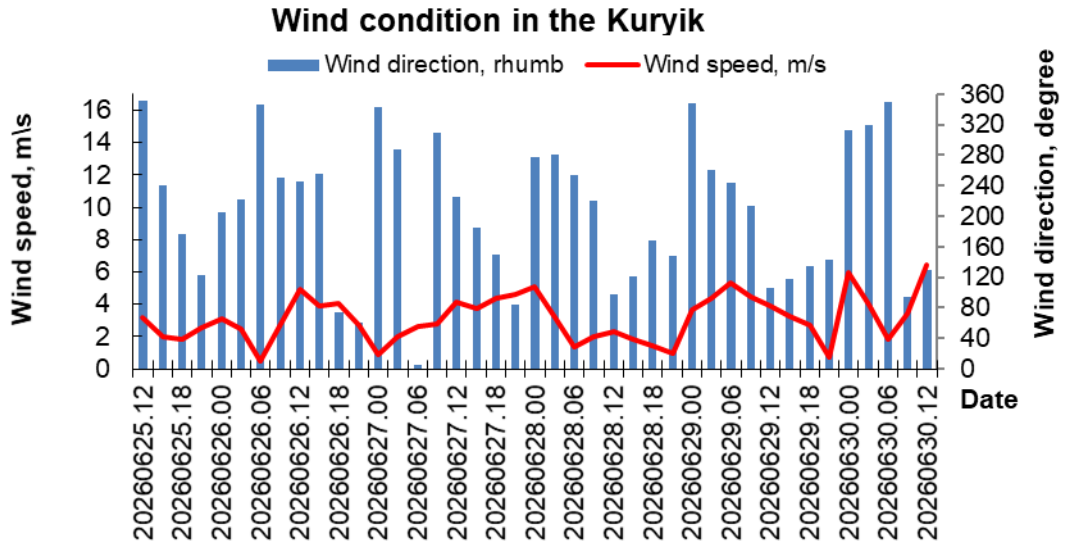
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.13	SE	2.1	1	NW
20260625.15	0.37	SE	2.9	1	W
20260625.18	0.48	SE	3.4	1	S
20260625.21	0.56	SE	4.0	2	S
20260626.00	0.65	SE	4.4	4	S
20260626.03	0.71	SE	4.5	3	SW
20260626.06	0.73	SE	4.7	3	W
20260626.09	0.71	SE	4.7	2	SW
20260626.12	0.67	SE	4.5	2	SW
20260626.15	0.63	SE	4.2	1	SW
20260626.18	0.57	SE	4.0	2	E
20260626.21	0.52	SE	3.8	2	S
20260627.00	0.47	S	3.7	2	SE
20260627.03	0.41	S	3.6	1	SE
20260627.06	0.37	S	3.5	0	NE
20260627.09	0.33	S	3.4	2	S
20260627.12	0.31	SW	3.2	3	S
20260627.15	0.32	SW	2.8	4	SE
20260627.18	0.37	W	2.5	6	SE
20260627.21	0.40	W	2.5	5	S
20260628.00	0.37	W	2.6	4	NW
20260628.03	0.32	W	2.8	3	W
20260628.06	0.29	W	2.9	2	NE
20260628.09	0.27	W	2.9	2	W
20260628.12	0.26	W	3.0	2	SW
20260628.15	0.25	SW	2.9	3	E
20260628.18	0.26	W	2.5	5	S
20260628.21	0.29	NW	2.2	4	S
20260629.00	0.29	NW	2.2	3	NE
20260629.03	0.32	N	2.1	5	SE
20260629.06	0.34	NW	2.3	6	SW
20260629.09	0.37	SW	2.4	5	SW
20260629.12	0.36	SW	2.4	4	E
20260629.15	0.37	W	2.3	6	E
20260629.18	0.46	W	2.4	7	E
20260629.21	0.50	W	2.6	5	E
20260630.00	0.47	W	2.8	5	W
20260630.03	0.43	W	3.1	4	NW
20260630.06	0.42	W	3.3	4	S
20260630.09	0.42	W	3.2	4	E
20260630.12	0.43	W	3.0	4	E



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260625.12	0.41	SE	2.8	3	N
20260625.15	0.80	SE	3.8	2	SW
20260625.18	1.06	SE	4.5	2	S
20260625.21	1.12	SE	5.0	3	SE
20260626.00	1.07	SE	5.2	3	SW
20260626.03	0.94	SE	5.1	2	SW
20260626.06	0.81	SE	4.9	1	N
20260626.09	0.69	SE	4.6	3	W
20260626.12	0.68	S	3.8	5	SW
20260626.15	0.70	S	3.4	4	W
20260626.18	0.61	S	3.4	4	E
20260626.21	0.51	S	3.6	3	NE
20260627.00	0.45	SW	3.6	1	N
20260627.03	0.39	SW	3.5	2	W
20260627.06	0.34	SW	3.4	3	N
20260627.09	0.30	SW	3.3	3	NW
20260627.12	0.30	SW	2.9	4	SW
20260627.15	0.33	SW	2.6	4	S
20260627.18	0.34	SW	2.6	4	SE
20260627.21	0.34	W	2.5	5	E
20260628.00	0.35	W	2.6	5	W
20260628.03	0.39	NE	2.7	3	W
20260628.06	0.38	NE	2.8	1	W
20260628.09	0.35	NE	3.0	2	SW
20260628.12	0.33	NE	3.1	2	E
20260628.15	0.30	E	3.1	2	SE
20260628.18	0.28	NE	3.1	1	S
20260628.21	0.26	NW	2.9	1	SE
20260629.00	0.26	W	2.6	4	N
20260629.03	0.28	SW	2.2	4	W
20260629.06	0.34	SW	2.1	5	SW
20260629.09	0.34	SW	2.3	4	SW
20260629.12	0.42	SW	2.4	4	E
20260629.15	0.36	W	2.4	3	SE
20260629.18	0.31	W	2.3	3	SE
20260629.21	0.29	W	2.3	1	SE
20260630.00	0.37	S	2.5	6	NW
20260630.03	0.45	SE	2.8	4	NW
20260630.06	0.48	SE	3.0	2	N
20260630.09	0.48	S	3.2	3	E
20260630.12	0.48	S	3.2	6	SE

**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: Zhagparova N.N.

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