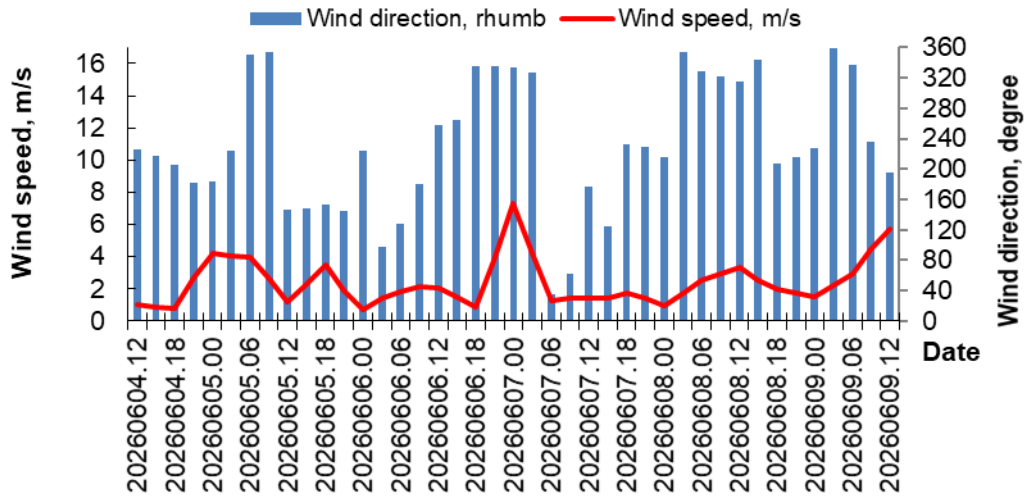




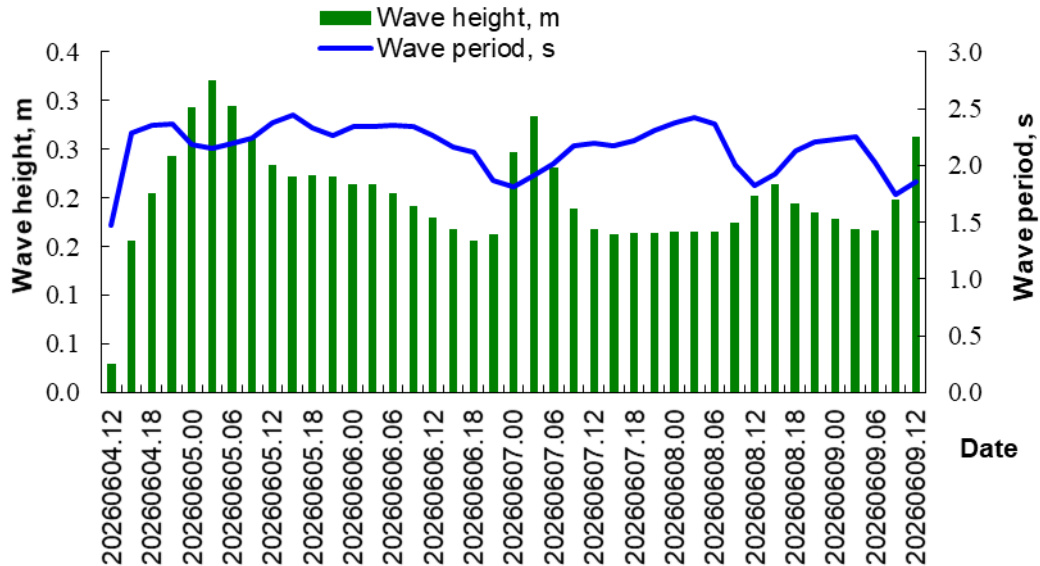
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 04 – 09, 2026 .**

Wind condition in the Kulaly

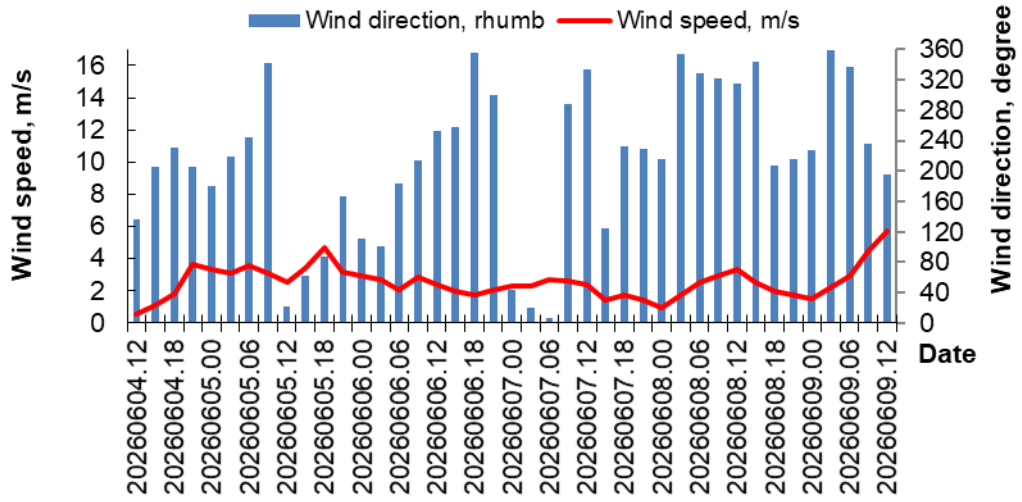


Wave condition in the Kulaly

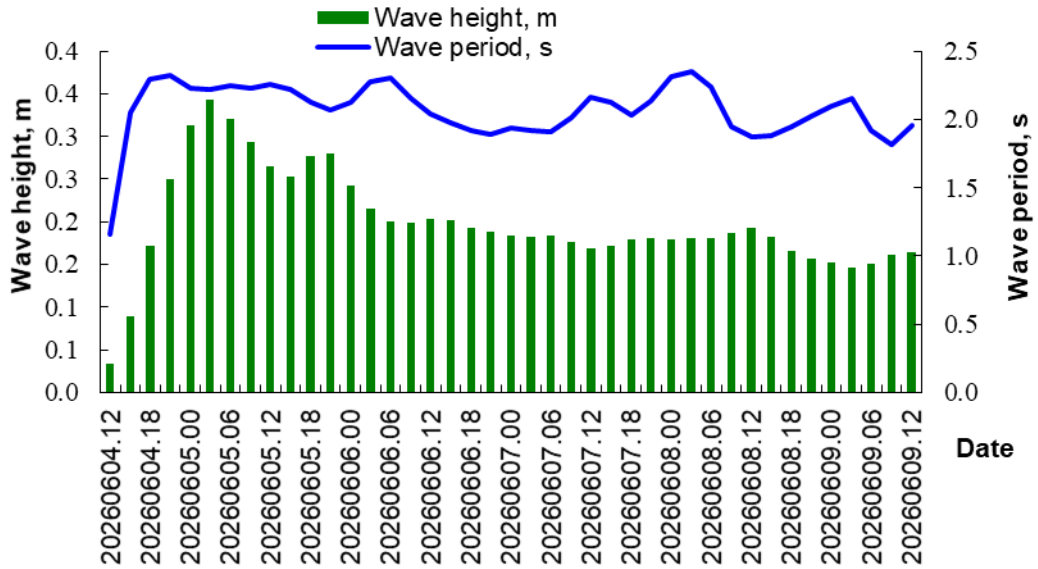


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.03	SW	1.5	1	SW
20260604.15	0.16	NW	2.3	1	SW
20260604.18	0.21	NW	2.4	1	SW
20260604.21	0.24	NW	2.4	3	S
20260605.00	0.29	NW	2.2	4	S
20260605.03	0.32	NW	2.2	4	SW
20260605.06	0.30	NW	2.2	4	N
20260605.09	0.26	NW	2.2	3	N
20260605.12	0.23	NW	2.4	1	SE
20260605.15	0.22	W	2.4	2	SE
20260605.18	0.22	W	2.3	4	SE
20260605.21	0.22	W	2.3	2	SE
20260606.00	0.21	SW	2.3	1	SW
20260606.03	0.21	W	2.3	1	E
20260606.06	0.20	W	2.4	2	SE
20260606.09	0.19	SW	2.3	2	S
20260606.12	0.18	W	2.3	2	W
20260606.15	0.17	W	2.2	1	W
20260606.18	0.16	W	2.1	1	NW
20260606.21	0.16	SW	1.9	4	NW
20260607.00	0.25	S	1.8	7	NW
20260607.03	0.28	S	1.9	4	NW
20260607.06	0.23	S	2.0	1	NE
20260607.09	0.19	S	2.2	1	NE
20260607.12	0.17	SE	2.2	1	S
20260607.15	0.16	SE	2.2	1	SE
20260607.18	0.16	SE	2.2	2	SW
20260607.21	0.16	SE	2.3	1	SW
20260608.00	0.17	SE	2.4	1	SW
20260608.03	0.17	SE	2.4	2	N
20260608.06	0.17	SE	2.4	3	NW
20260608.09	0.17	SE	2.0	3	NW
20260608.12	0.20	SE	1.8	3	NW
20260608.15	0.21	SE	1.9	3	N
20260608.18	0.19	SE	2.1	2	SW
20260608.21	0.19	S	2.2	2	SW
20260609.00	0.18	S	2.2	1	SW
20260609.03	0.17	SW	2.3	2	N
20260609.06	0.17	SW	2.0	3	NW
20260609.09	0.20	SW	1.7	4	SW
20260609.12	0.26	SW	1.9	6	S

Wind condition in the Fort-Shevchenko

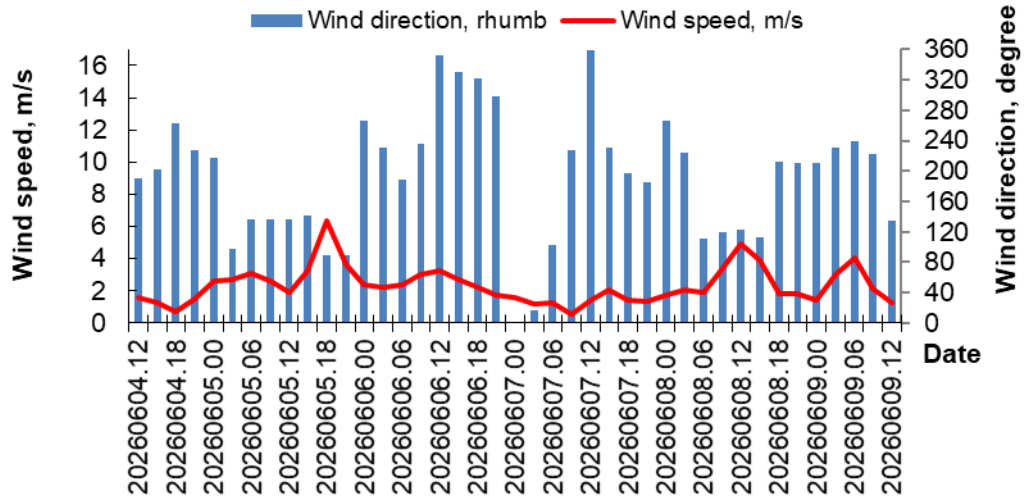


Wave condition in the Fort-Shevchenko

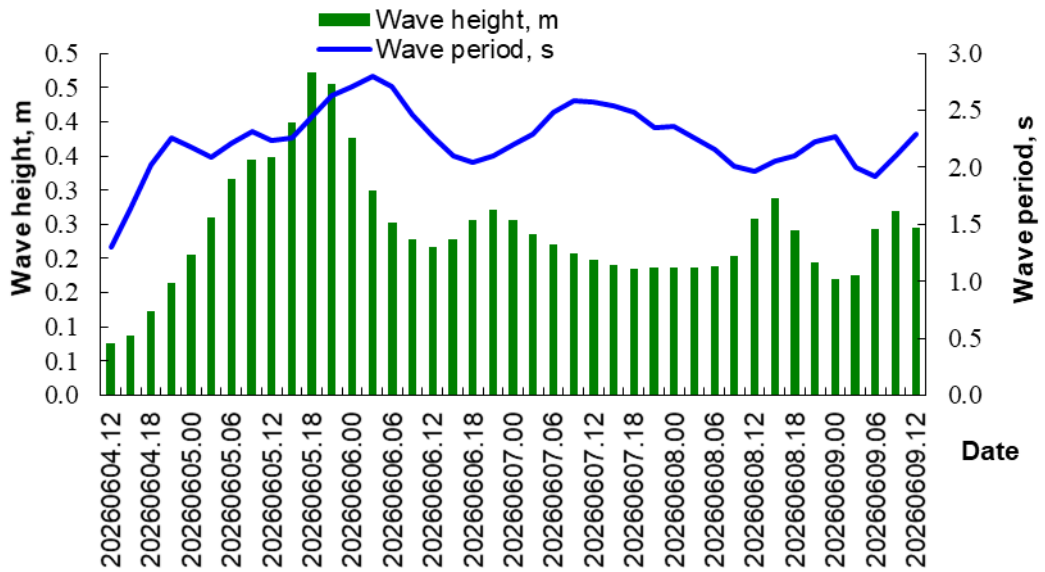


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.03	N	1.2	1	SE
20260604.15	0.09	NW	2.1	1	SW
20260604.18	0.17	NW	2.3	2	SW
20260604.21	0.25	NW	2.3	4	SW
20260605.00	0.31	NW	2.2	3	S
20260605.03	0.34	NW	2.2	3	SW
20260605.06	0.32	NW	2.3	4	SW
20260605.09	0.29	W	2.2	3	N
20260605.12	0.27	NW	2.3	3	N
20260605.15	0.25	NW	2.2	3	NE
20260605.18	0.28	N	2.1	5	E
20260605.21	0.28	N	2.1	3	S
20260606.00	0.24	N	2.1	3	E
20260606.03	0.22	NW	2.3	3	E
20260606.06	0.20	NW	2.3	2	S
20260606.09	0.20	W	2.2	3	SW
20260606.12	0.20	W	2.0	2	W
20260606.15	0.20	W	2.0	2	W
20260606.18	0.19	W	1.9	2	N
20260606.21	0.19	W	1.9	2	NW
20260607.00	0.18	SW	1.9	2	NE
20260607.03	0.18	S	1.9	2	N
20260607.06	0.18	SE	1.9	3	N
20260607.09	0.18	SE	2.0	3	W
20260607.12	0.17	SE	2.2	2	NW
20260607.15	0.17	SE	2.1	1	SE
20260607.18	0.18	S	2.0	2	SW
20260607.21	0.18	S	2.1	1	SW
20260608.00	0.18	S	2.3	1	SW
20260608.03	0.18	S	2.4	2	N
20260608.06	0.18	SE	2.2	3	NW
20260608.09	0.19	SE	2.0	3	NW
20260608.12	0.19	E	1.9	3	NW
20260608.15	0.18	E	1.9	3	N
20260608.18	0.17	SE	1.9	2	SW
20260608.21	0.16	S	2.0	2	SW
20260609.00	0.15	SW	2.1	1	SW
20260609.03	0.15	SW	2.2	2	N
20260609.06	0.15	SW	1.9	3	NW
20260609.09	0.16	SW	1.8	4	SW
20260609.12	0.16	SW	2.0	6	S

Wind condition in the Aktau

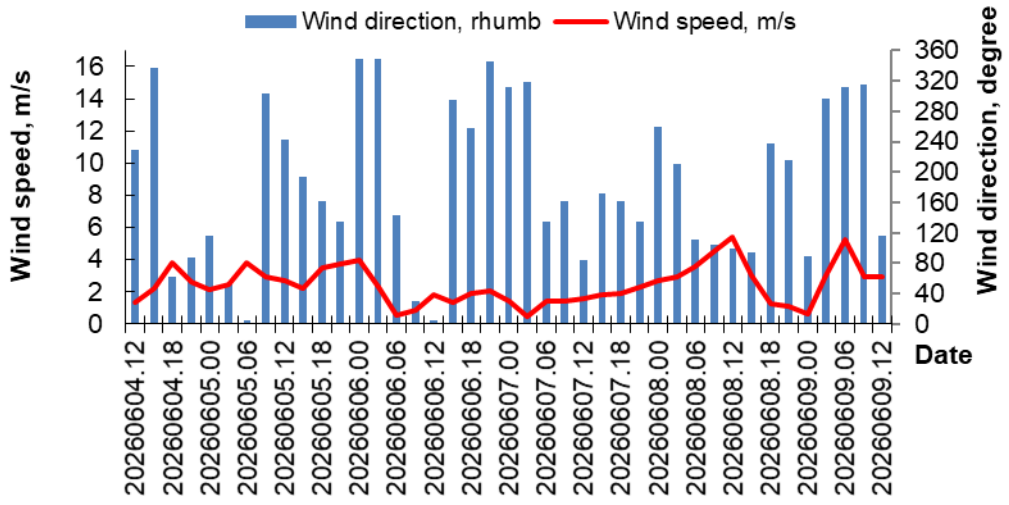


Wave condition in the Aktau

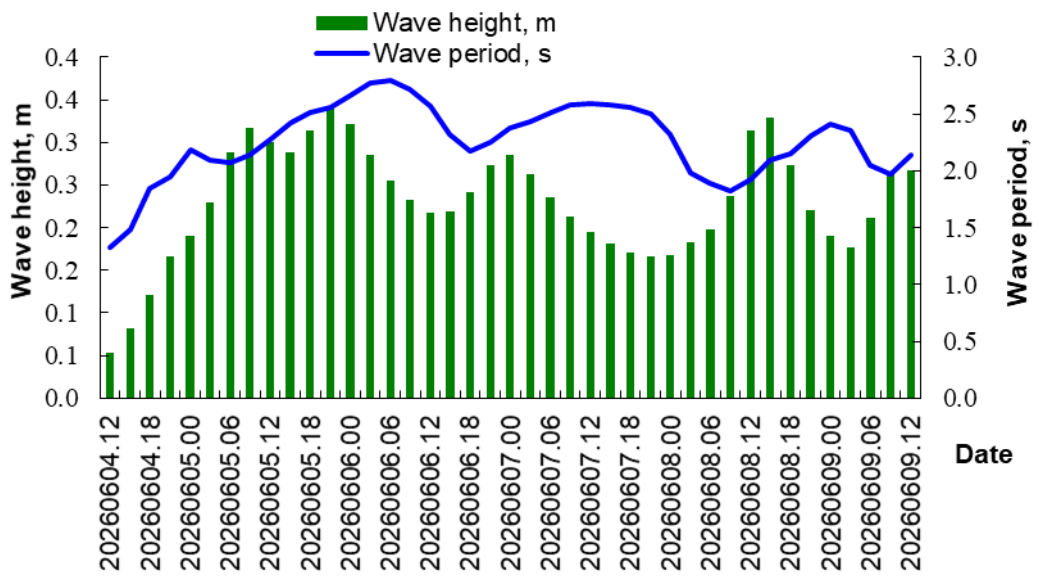


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260604.12	0.08	SW	1.3	2	S
20260604.15	0.09	W	1.6	1	S
20260604.18	0.12	NW	2.0	1	W
20260604.21	0.16	NW	2.3	2	SW
20260605.00	0.21	NW	2.2	3	SW
20260605.03	0.26	NW	2.1	3	E
20260605.06	0.32	NW	2.2	3	SE
20260605.09	0.35	NW	2.3	3	SE
20260605.12	0.35	NW	2.2	2	SE
20260605.15	0.40	NW	2.3	3	SE
20260605.18	0.47	NW	2.5	6	E
20260605.21	0.46	NW	2.6	4	E
20260606.00	0.38	NW	2.7	2	W
20260606.03	0.30	NW	2.8	2	SW
20260606.06	0.25	NW	2.7	2	S
20260606.09	0.23	NW	2.5	3	SW
20260606.12	0.22	NW	2.3	3	N
20260606.15	0.23	W	2.1	3	NW
20260606.18	0.26	S	2.0	2	NW
20260606.21	0.27	S	2.1	2	NW
20260607.00	0.26	SE	2.2	2	N
20260607.03	0.24	SE	2.3	1	N
20260607.06	0.22	SE	2.5	1	E
20260607.09	0.21	SE	2.6	1	SW
20260607.12	0.20	SE	2.6	1	N
20260607.15	0.19	SE	2.5	2	SW
20260607.18	0.18	SE	2.5	1	S
20260607.21	0.19	S	2.3	1	S
20260608.00	0.19	S	2.4	2	W
20260608.03	0.19	S	2.3	2	SW
20260608.06	0.19	S	2.2	2	E
20260608.09	0.20	SW	2.0	3	SE
20260608.12	0.26	SW	2.0	5	SE
20260608.15	0.29	W	2.1	4	SE
20260608.18	0.24	W	2.1	2	SW
20260608.21	0.19	W	2.2	2	SW
20260609.00	0.17	W	2.3	1	SW
20260609.03	0.17	W	2.0	3	SW
20260609.06	0.24	SW	1.9	4	SW
20260609.09	0.27	SW	2.1	2	SW
20260609.12	0.25	SW	2.3	1	SE

Wind condition in the Peschanyi

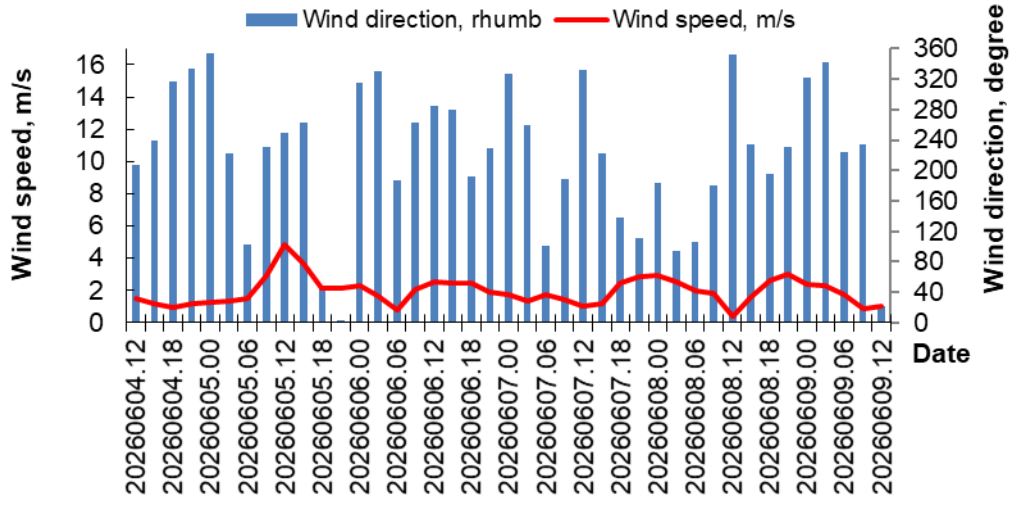


Wave condition in the Peschanyi

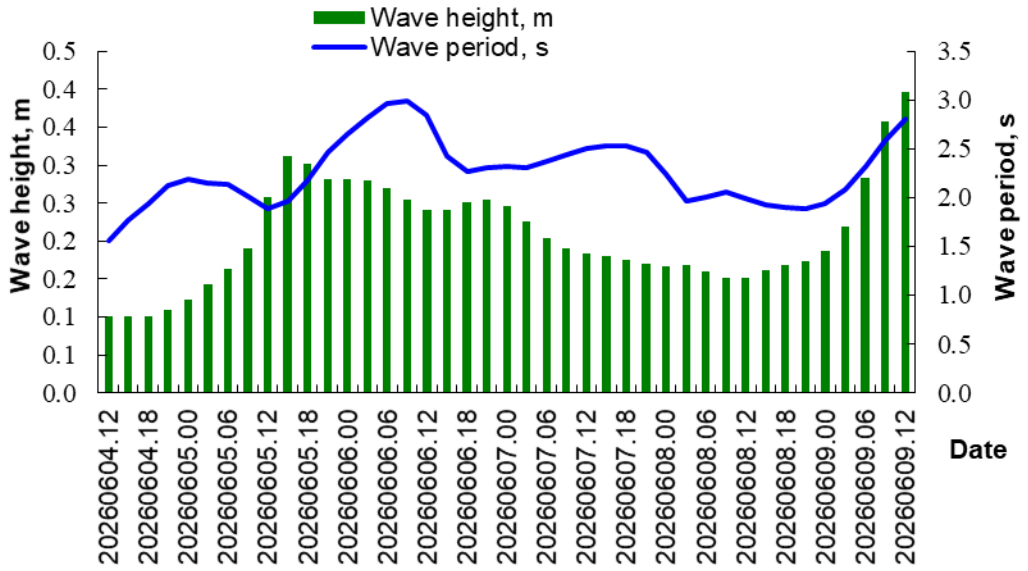


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.05	SW	1.3	1	SW
20260604.15	0.08	SW	1.5	2	NW
20260604.18	0.12	NW	1.8	4	NE
20260604.21	0.17	N	1.9	3	E
20260605.00	0.19	NW	2.2	2	SE
20260605.03	0.23	NW	2.1	2	NE
20260605.06	0.29	NW	2.1	4	N
20260605.09	0.32	NW	2.1	3	NW
20260605.12	0.30	NW	2.3	3	SW
20260605.15	0.29	NW	2.4	2	S
20260605.18	0.31	NW	2.5	3	S
20260605.21	0.34	NW	2.6	4	SE
20260606.00	0.32	NW	2.7	4	N
20260606.03	0.29	NW	2.8	2	N
20260606.06	0.26	NW	2.8	1	SE
20260606.09	0.23	NW	2.7	1	NE
20260606.12	0.22	NW	2.6	2	N
20260606.15	0.22	W	2.3	1	NW
20260606.18	0.24	SW	2.2	2	W
20260606.21	0.27	S	2.2	2	N
20260607.00	0.29	SE	2.4	1	NW
20260607.03	0.26	SE	2.4	0	NW
20260607.06	0.24	SE	2.5	1	SE
20260607.09	0.21	SE	2.6	1	S
20260607.12	0.19	SE	2.6	2	E
20260607.15	0.18	SE	2.6	2	S
20260607.18	0.17	SE	2.6	2	S
20260607.21	0.17	S	2.5	2	SE
20260608.00	0.17	S	2.3	3	W
20260608.03	0.18	S	2.0	3	SW
20260608.06	0.20	SW	1.9	4	E
20260608.09	0.24	SW	1.8	5	E
20260608.12	0.31	W	1.9	5	E
20260608.15	0.33	W	2.1	3	E
20260608.18	0.27	W	2.2	1	SW
20260608.21	0.22	W	2.3	1	SW
20260609.00	0.19	W	2.4	1	E
20260609.03	0.18	W	2.4	3	NW
20260609.06	0.21	SW	2.1	5	NW
20260609.09	0.26	S	2.0	3	NW
20260609.12	0.27	SW	2.1	3	SE

Wind condition in the Fetisovo

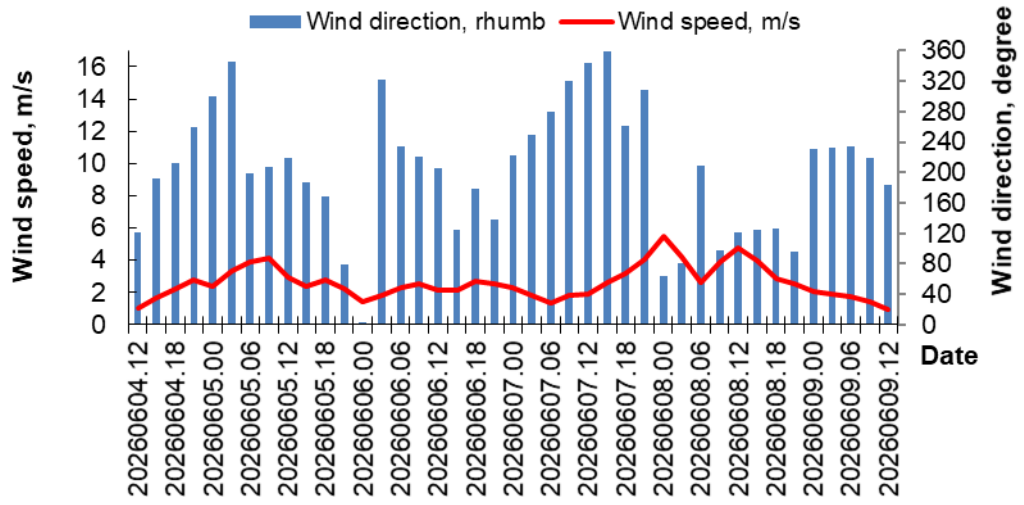


Wave condition in the Fetisovo

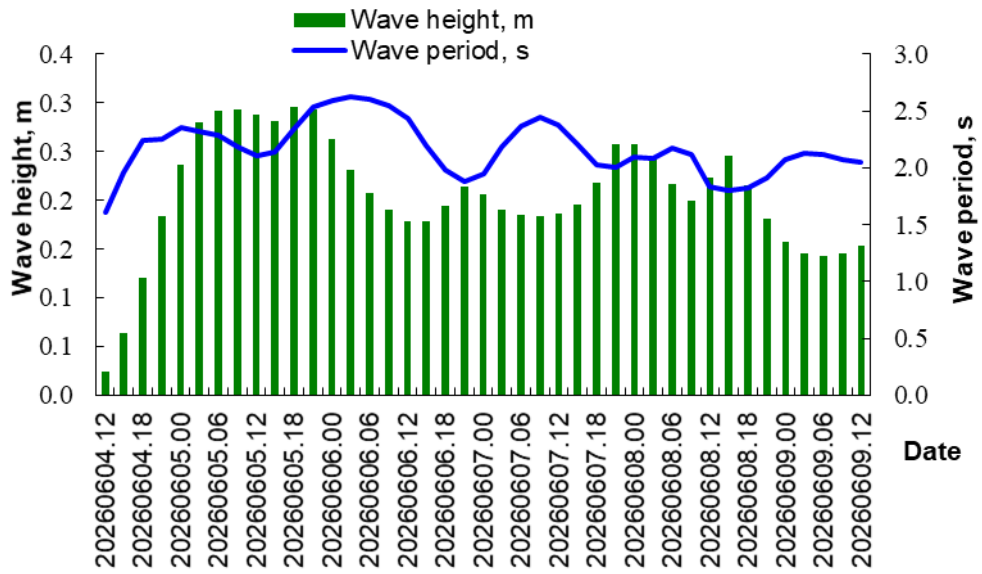


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.10	SW	1.6	1	SW
20260604.15	0.10	S	1.8	1	SW
20260604.18	0.10	S	1.9	1	NW
20260604.21	0.11	SW	2.1	1	NW
20260605.00	0.12	SW	2.2	1	N
20260605.03	0.14	SW	2.1	1	SW
20260605.06	0.16	W	2.1	2	E
20260605.09	0.19	NW	2.0	3	SW
20260605.12	0.26	W	1.9	5	W
20260605.15	0.31	SW	2.0	4	W
20260605.18	0.30	W	2.2	2	NE
20260605.21	0.28	NW	2.5	2	N
20260606.00	0.28	NW	2.7	2	NW
20260606.03	0.28	NW	2.8	2	NW
20260606.06	0.27	NW	3.0	1	S
20260606.09	0.26	NW	3.0	2	W
20260606.12	0.24	NW	2.8	3	W
20260606.15	0.24	NW	2.4	2	W
20260606.18	0.25	W	2.3	2	S
20260606.21	0.25	SE	2.3	2	SW
20260607.00	0.25	SE	2.3	2	NW
20260607.03	0.23	SE	2.3	1	W
20260607.06	0.20	SE	2.4	2	E
20260607.09	0.19	SE	2.4	1	S
20260607.12	0.18	S	2.5	1	NW
20260607.15	0.18	S	2.5	1	SW
20260607.18	0.18	SW	2.5	2	SE
20260607.21	0.17	SW	2.5	3	E
20260608.00	0.17	SW	2.2	3	S
20260608.03	0.17	SW	2.0	3	E
20260608.06	0.16	SW	2.0	2	E
20260608.09	0.15	SW	2.1	2	S
20260608.12	0.15	SW	2.0	0	N
20260608.15	0.16	W	1.9	2	SW
20260608.18	0.17	W	1.9	3	S
20260608.21	0.17	W	1.9	3	SW
20260609.00	0.19	W	1.9	2	NW
20260609.03	0.22	W	2.1	2	N
20260609.06	0.28	SW	2.3	2	SW
20260609.09	0.36	SW	2.6	1	SW
20260609.12	0.40	SW	2.8	1	NE

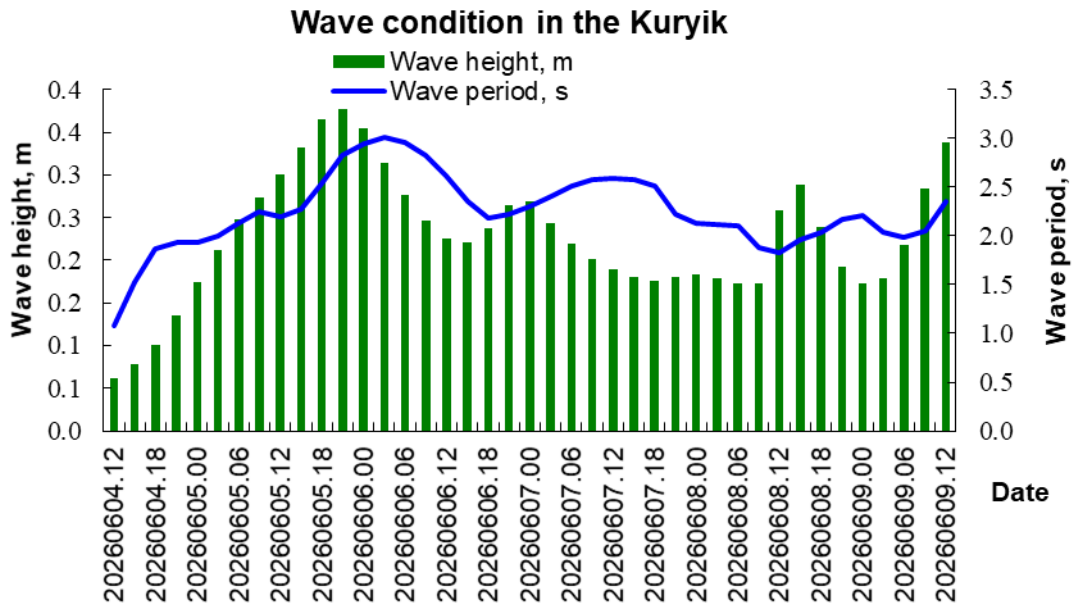
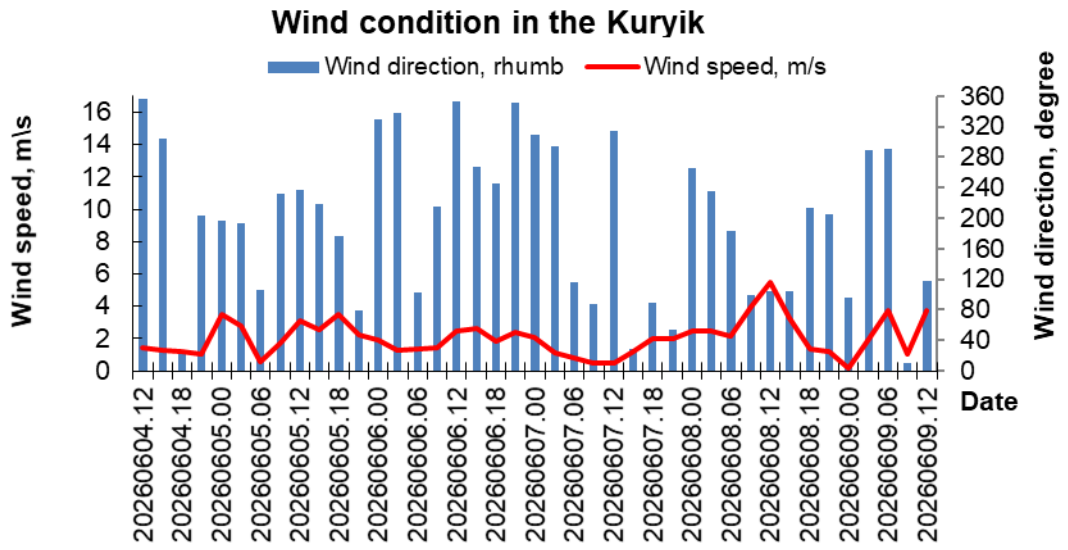
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.02	NW	1.6	1	SE
20260604.15	0.06	NW	2.0	2	S
20260604.18	0.12	NW	2.2	2	SW
20260604.21	0.18	NW	2.3	3	W
20260605.00	0.24	NW	2.4	2	NW
20260605.03	0.28	NW	2.3	3	N
20260605.06	0.29	NW	2.3	4	S
20260605.09	0.29	W	2.2	4	SW
20260605.12	0.29	W	2.1	3	SW
20260605.15	0.28	W	2.1	2	S
20260605.18	0.30	NW	2.3	3	S
20260605.21	0.29	NW	2.5	2	E
20260606.00	0.26	N	2.6	1	N
20260606.03	0.23	N	2.6	2	NW
20260606.06	0.21	NW	2.6	2	SW
20260606.09	0.19	NW	2.5	3	SW
20260606.12	0.18	NW	2.4	2	SW
20260606.15	0.18	NW	2.2	2	SE
20260606.18	0.19	W	2.0	3	S
20260606.21	0.21	NW	1.9	3	SE
20260607.00	0.21	W	2.0	2	SW
20260607.03	0.19	SE	2.2	2	W
20260607.06	0.18	SE	2.4	1	W
20260607.09	0.18	SE	2.4	2	NW
20260607.12	0.19	SE	2.4	2	N
20260607.15	0.20	SE	2.2	3	N
20260607.18	0.22	S	2.0	3	W
20260607.21	0.26	S	2.0	4	NW
20260608.00	0.26	SE	2.1	5	NE
20260608.03	0.24	SE	2.1	4	E
20260608.06	0.22	SE	2.2	3	SW
20260608.09	0.20	S	2.1	4	E
20260608.12	0.22	W	1.8	5	SE
20260608.15	0.25	W	1.8	4	SE
20260608.18	0.22	W	1.8	3	SE
20260608.21	0.18	W	1.9	3	E
20260609.00	0.16	W	2.1	2	SW
20260609.03	0.15	W	2.1	2	SW
20260609.06	0.14	W	2.1	2	SW
20260609.09	0.14	W	2.1	1	SW
20260609.12	0.15	SW	2.0	1	S



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260604.12	0.06	S	1.1	1	N
20260604.15	0.08	S	1.5	1	NW
20260604.18	0.10	SW	1.9	1	NE
20260604.21	0.14	NW	1.9	1	SW
20260605.00	0.17	NW	1.9	4	S
20260605.03	0.21	NW	2.0	3	S
20260605.06	0.25	NW	2.1	1	E
20260605.09	0.27	NW	2.2	2	SW
20260605.12	0.30	NW	2.2	3	SW
20260605.15	0.33	W	2.3	3	SW
20260605.18	0.36	NW	2.5	3	S
20260605.21	0.38	NW	2.8	2	E
20260606.00	0.35	NW	2.9	2	NW
20260606.03	0.31	NW	3.0	1	N
20260606.06	0.28	NW	3.0	1	E
20260606.09	0.25	NW	2.8	1	SW
20260606.12	0.23	NW	2.6	2	N
20260606.15	0.22	NW	2.3	3	W
20260606.18	0.24	SW	2.2	2	SW
20260606.21	0.26	S	2.2	2	N
20260607.00	0.27	SE	2.3	2	NW
20260607.03	0.24	SE	2.4	1	NW
20260607.06	0.22	SE	2.5	1	SE
20260607.09	0.20	SE	2.6	0	E
20260607.12	0.19	SE	2.6	0	NW
20260607.15	0.18	SE	2.6	1	NE
20260607.18	0.18	SE	2.5	2	E
20260607.21	0.18	S	2.2	2	NE
20260608.00	0.18	S	2.1	3	W
20260608.03	0.18	S	2.1	2	SW
20260608.06	0.17	SW	2.1	2	S
20260608.09	0.17	SW	1.9	4	E
20260608.12	0.26	W	1.8	5	E
20260608.15	0.29	W	2.0	3	E
20260608.18	0.24	W	2.0	1	SW
20260608.21	0.19	W	2.2	1	SW
20260609.00	0.17	W	2.2	0	E
20260609.03	0.18	W	2.0	2	W
20260609.06	0.22	SW	2.0	4	W
20260609.09	0.28	SW	2.1	1	N
20260609.12	0.34	SW	2.4	4	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: Kurmangalieva A.K.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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