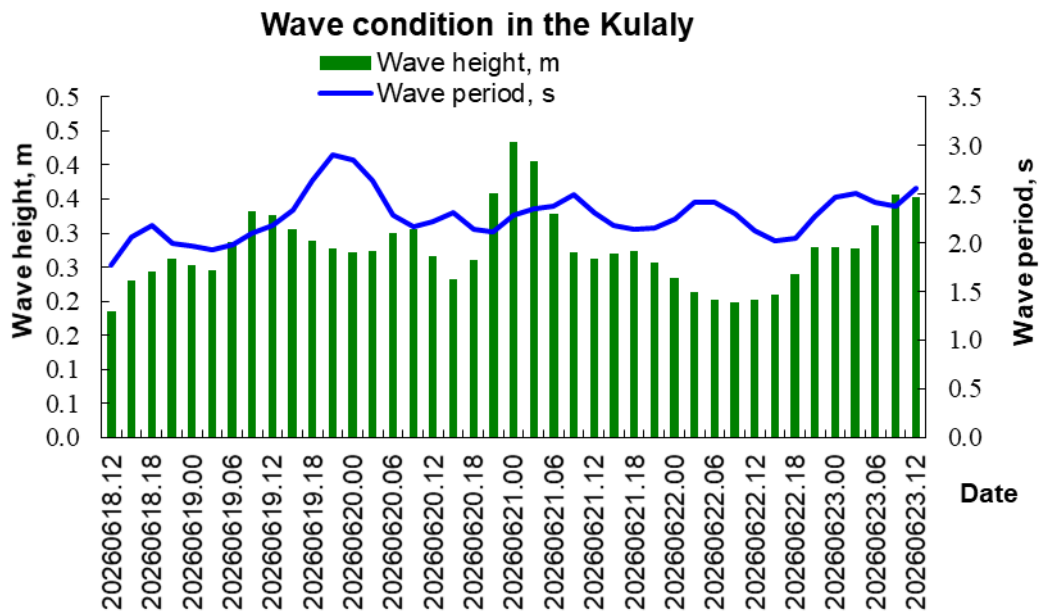
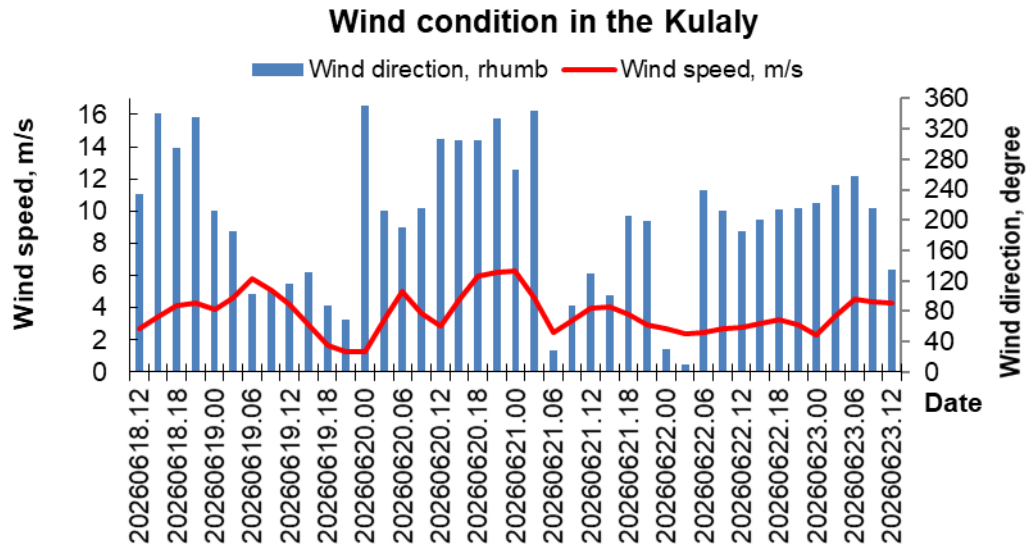




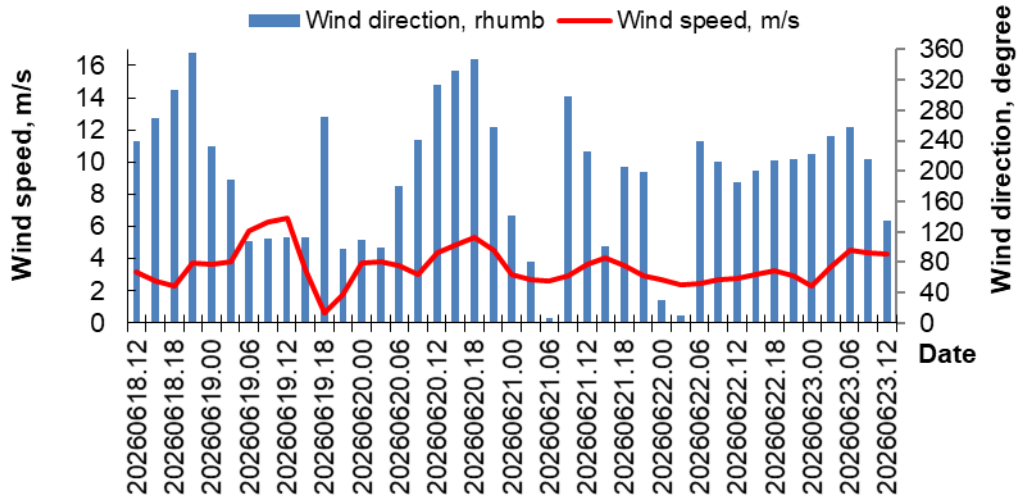
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 18 – 23, 2026 .**

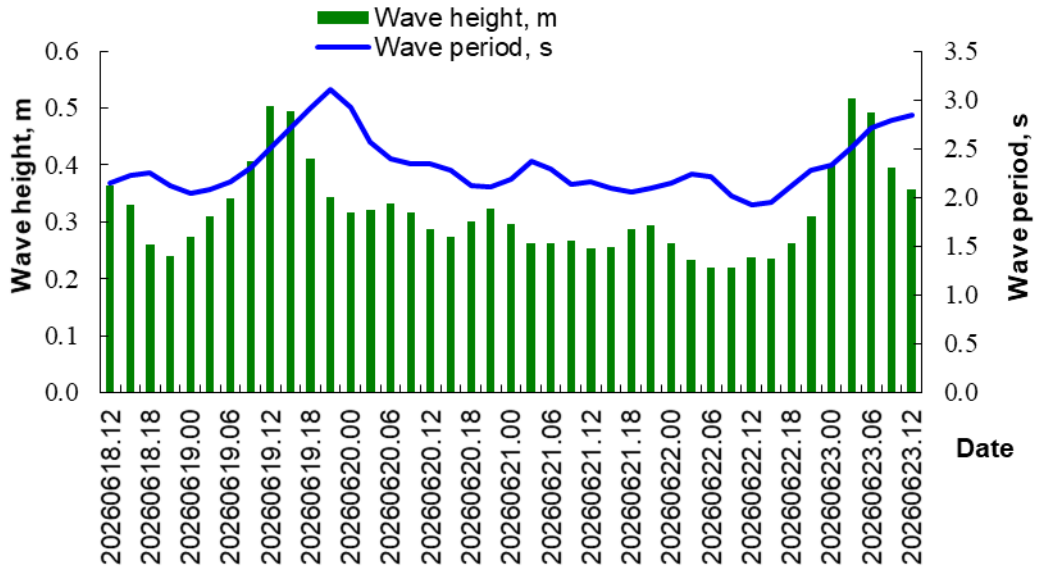


Date time	Kulaly				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.18	SW	1.8	3	SW
20260618.15	0.23	SW	2.1	3	N
20260618.18	0.24	SW	2.2	4	NW
20260618.21	0.26	S	2.0	4	NW
20260619.00	0.25	S	2.0	4	SW
20260619.03	0.25	SW	1.9	5	S
20260619.06	0.29	W	2.0	6	E
20260619.09	0.33	W	2.1	5	E
20260619.12	0.33	W	2.2	4	SE
20260619.15	0.31	W	2.3	3	SE
20260619.18	0.29	W	2.6	2	E
20260619.21	0.28	W	2.9	1	E
20260620.00	0.27	W	2.9	1	N
20260620.03	0.27	W	2.6	3	SW
20260620.06	0.30	W	2.3	5	S
20260620.09	0.31	W	2.2	4	SW
20260620.12	0.27	W	2.2	3	NW
20260620.15	0.23	W	2.3	4	NW
20260620.18	0.26	S	2.1	6	NW
20260620.21	0.36	SE	2.1	6	NW
20260621.00	0.43	S	2.3	6	W
20260621.03	0.41	S	2.4	5	N
20260621.06	0.33	S	2.4	2	NE
20260621.09	0.27	S	2.5	3	E
20260621.12	0.26	S	2.3	4	SE
20260621.15	0.27	SW	2.2	4	E
20260621.18	0.27	SW	2.1	4	SW
20260621.21	0.26	SW	2.2	3	S
20260622.00	0.23	SW	2.2	3	NE
20260622.03	0.21	SW	2.4	2	N
20260622.06	0.20	S	2.4	2	SW
20260622.09	0.20	S	2.3	3	SW
20260622.12	0.20	S	2.1	3	S
20260622.15	0.21	SW	2.0	3	S
20260622.18	0.24	SW	2.1	3	SW
20260622.21	0.28	W	2.3	3	SW
20260623.00	0.28	W	2.5	2	SW
20260623.03	0.28	SW	2.5	3	SW
20260623.06	0.31	SW	2.4	5	W
20260623.09	0.36	S	2.4	4	SW
20260623.12	0.35	S	2.6	4	SE

Wind condition in the Fort-Shevchenko

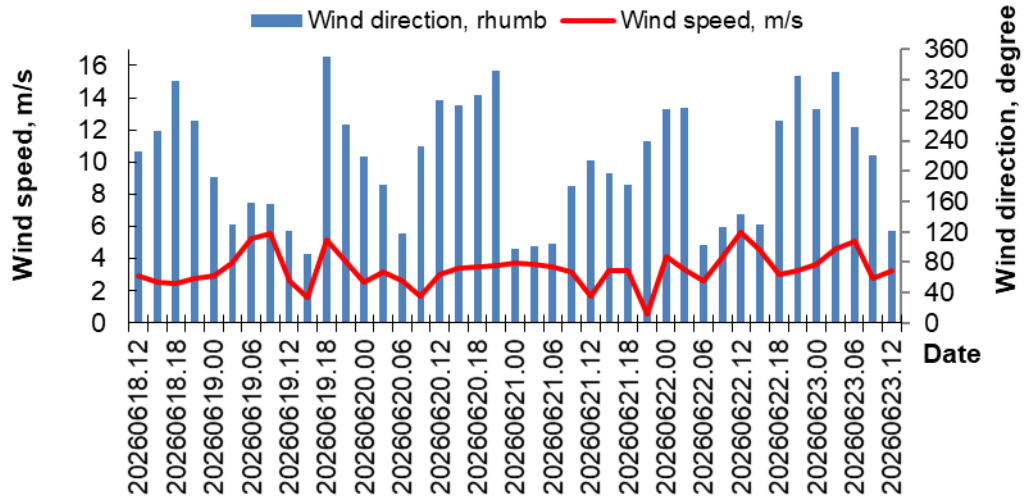


Wave condition in the Fort-Shevchenko

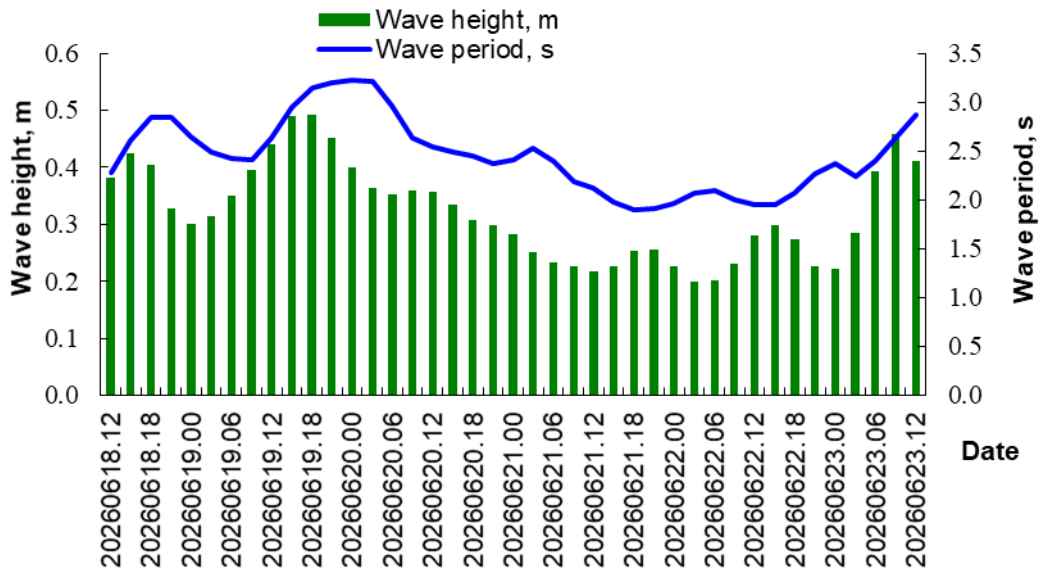


Date time	Fort-Shevchenko				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.36	SW	2.1	3	SW
20260618.15	0.33	SW	2.2	3	W
20260618.18	0.26	SW	2.3	2	NW
20260618.21	0.24	S	2.1	4	N
20260619.00	0.27	S	2.0	4	SW
20260619.03	0.31	SW	2.1	4	S
20260619.06	0.34	SW	2.2	6	E
20260619.09	0.41	W	2.3	6	E
20260619.12	0.50	W	2.5	7	SE
20260619.15	0.49	NW	2.7	3	E
20260619.18	0.41	NW	2.9	1	W
20260619.21	0.34	W	3.1	2	E
20260620.00	0.32	W	2.9	4	E
20260620.03	0.32	W	2.6	4	E
20260620.06	0.33	W	2.4	4	S
20260620.09	0.32	W	2.3	3	SW
20260620.12	0.29	W	2.4	4	NW
20260620.15	0.27	SW	2.3	5	NW
20260620.18	0.30	S	2.1	5	N
20260620.21	0.32	S	2.1	5	W
20260621.00	0.30	S	2.2	3	SE
20260621.03	0.26	S	2.4	3	E
20260621.06	0.26	S	2.3	3	N
20260621.09	0.27	S	2.1	3	NW
20260621.12	0.25	S	2.2	4	SW
20260621.15	0.25	S	2.1	4	E
20260621.18	0.29	SW	2.1	4	SW
20260621.21	0.29	SW	2.1	3	S
20260622.00	0.26	SW	2.1	3	NE
20260622.03	0.23	SW	2.2	2	N
20260622.06	0.22	S	2.2	2	SW
20260622.09	0.22	SW	2.0	3	SW
20260622.12	0.24	NW	1.9	3	S
20260622.15	0.23	NW	2.0	3	S
20260622.18	0.26	W	2.1	3	SW
20260622.21	0.31	W	2.3	3	SW
20260623.00	0.40	E	2.3	2	SW
20260623.03	0.52	E	2.5	3	SW
20260623.06	0.49	SE	2.7	5	W
20260623.09	0.40	SE	2.8	4	SW
20260623.12	0.36	S	2.8	4	SE

Wind condition in the Aktau

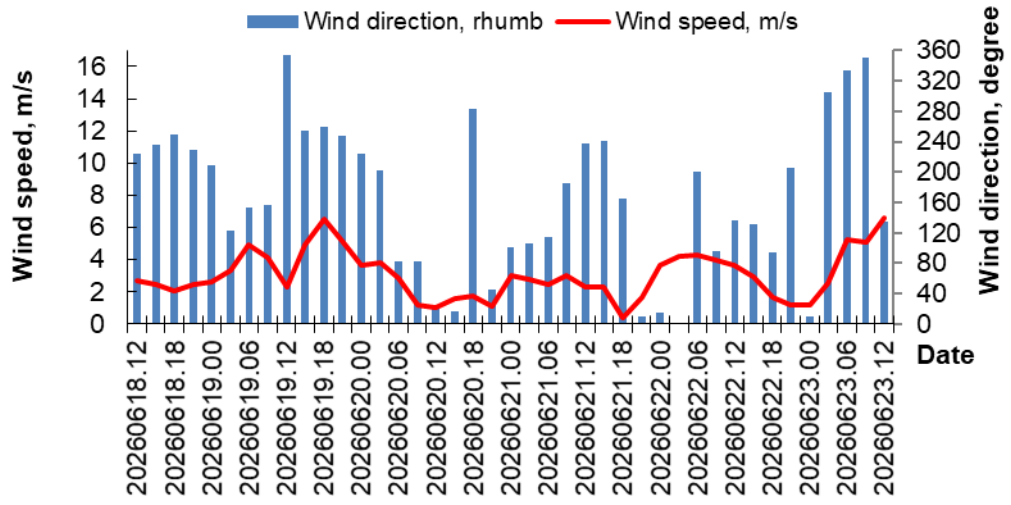


Wave condition in the Aktau

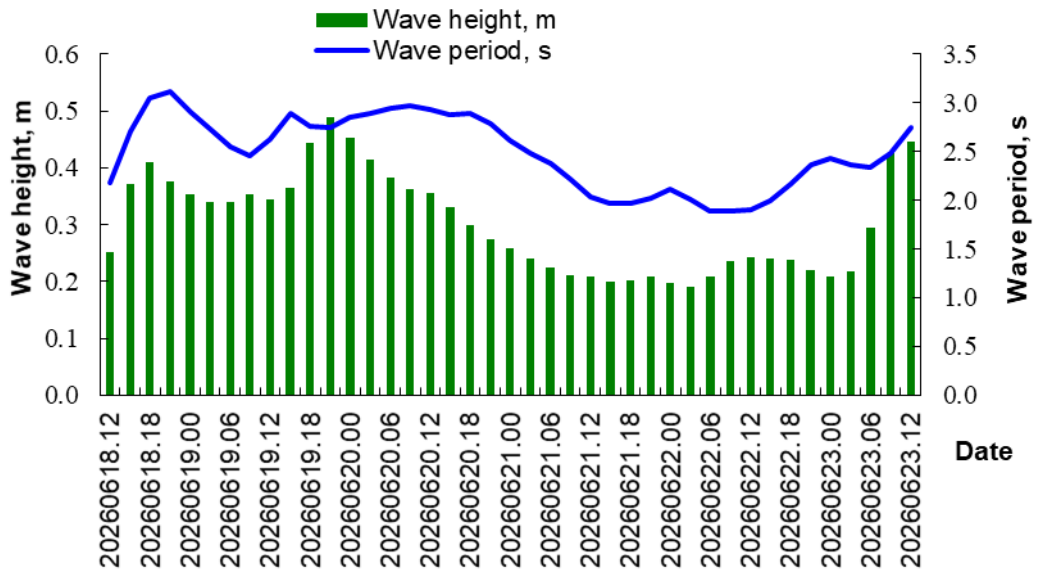


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260618.12	0.38	SW	2.3	3	SW
20260618.15	0.42	S	2.6	3	W
20260618.18	0.40	S	2.8	2	NW
20260618.21	0.33	S	2.8	3	W
20260619.00	0.30	S	2.6	3	S
20260619.03	0.31	SW	2.5	4	SE
20260619.06	0.35	W	2.4	5	S
20260619.09	0.40	W	2.4	6	SE
20260619.12	0.44	W	2.6	3	SE
20260619.15	0.49	W	2.9	2	E
20260619.18	0.49	W	3.1	5	N
20260619.21	0.45	W	3.2	4	W
20260620.00	0.40	W	3.2	3	SW
20260620.03	0.36	W	3.2	3	S
20260620.06	0.35	W	3.0	3	SE
20260620.09	0.36	W	2.6	2	SW
20260620.12	0.36	SW	2.5	3	NW
20260620.15	0.33	SW	2.5	3	W
20260620.18	0.31	S	2.5	4	NW
20260620.21	0.30	S	2.4	4	NW
20260621.00	0.28	S	2.4	4	E
20260621.03	0.25	S	2.5	4	E
20260621.06	0.23	SW	2.4	4	E
20260621.09	0.23	SW	2.2	3	S
20260621.12	0.22	SW	2.1	2	SW
20260621.15	0.23	SW	2.0	3	S
20260621.18	0.25	SW	1.9	3	S
20260621.21	0.25	SW	1.9	1	SW
20260622.00	0.23	SW	2.0	4	W
20260622.03	0.20	SW	2.1	3	W
20260622.06	0.20	SW	2.1	3	E
20260622.09	0.23	SW	2.0	4	SE
20260622.12	0.28	W	2.0	6	SE
20260622.15	0.30	W	2.0	5	SE
20260622.18	0.27	W	2.1	3	W
20260622.21	0.23	W	2.3	3	NW
20260623.00	0.22	W	2.4	4	W
20260623.03	0.28	S	2.2	5	NW
20260623.06	0.39	S	2.4	5	W
20260623.09	0.46	S	2.6	3	SW
20260623.12	0.41	S	2.9	3	SE

Wind condition in the Peschanyi

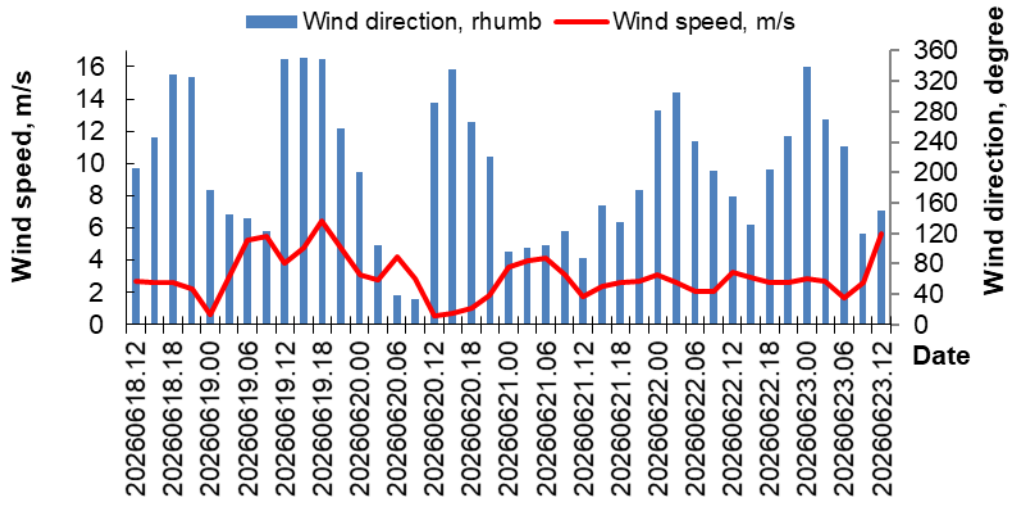


Wave condition in the Peschanyi

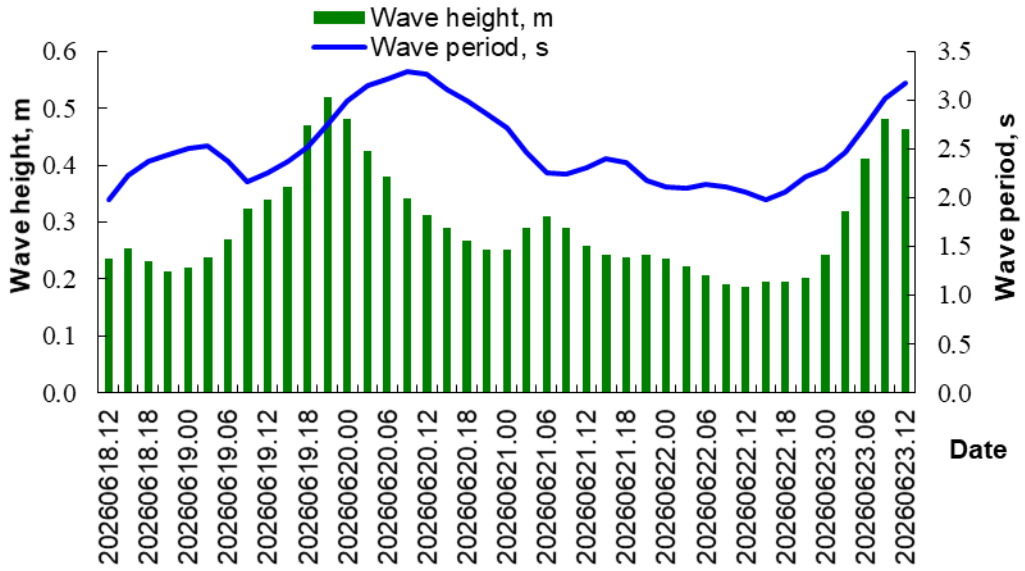


Date time	Peschanyi (Isan)				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.25	SW	2.2	3	SW
20260618.15	0.37	SW	2.7	2	SW
20260618.18	0.41	SW	3.0	2	W
20260618.21	0.38	S	3.1	2	SW
20260619.00	0.35	SW	2.9	3	SW
20260619.03	0.34	SW	2.7	3	SE
20260619.06	0.34	SW	2.6	5	SE
20260619.09	0.35	W	2.5	4	SE
20260619.12	0.34	W	2.6	2	N
20260619.15	0.36	W	2.9	5	W
20260619.18	0.44	W	2.8	7	W
20260619.21	0.49	SW	2.8	5	W
20260620.00	0.45	SW	2.9	4	SW
20260620.03	0.42	SW	2.9	4	SW
20260620.06	0.38	SW	2.9	3	E
20260620.09	0.36	SW	3.0	1	E
20260620.12	0.35	SW	2.9	1	NE
20260620.15	0.33	SW	2.9	2	N
20260620.18	0.30	SW	2.9	2	W
20260620.21	0.28	SW	2.8	1	NE
20260621.00	0.26	SW	2.6	3	E
20260621.03	0.24	SW	2.5	3	E
20260621.06	0.22	SW	2.4	2	SE
20260621.09	0.21	W	2.2	3	S
20260621.12	0.21	W	2.0	2	SW
20260621.15	0.20	W	2.0	2	SW
20260621.18	0.20	SW	2.0	0	S
20260621.21	0.21	SW	2.0	2	N
20260622.00	0.20	SW	2.1	4	N
20260622.03	0.19	SW	2.0	4	N
20260622.06	0.21	SW	1.9	4	S
20260622.09	0.24	SW	1.9	4	E
20260622.12	0.24	W	1.9	4	SE
20260622.15	0.24	W	2.0	3	SE
20260622.18	0.24	W	2.2	2	E
20260622.21	0.22	W	2.4	1	SW
20260623.00	0.21	W	2.4	1	N
20260623.03	0.22	W	2.4	3	NW
20260623.06	0.29	S	2.3	5	NW
20260623.09	0.43	SE	2.5	5	N
20260623.12	0.45	S	2.7	7	SE

Wind condition in the Fetisovo

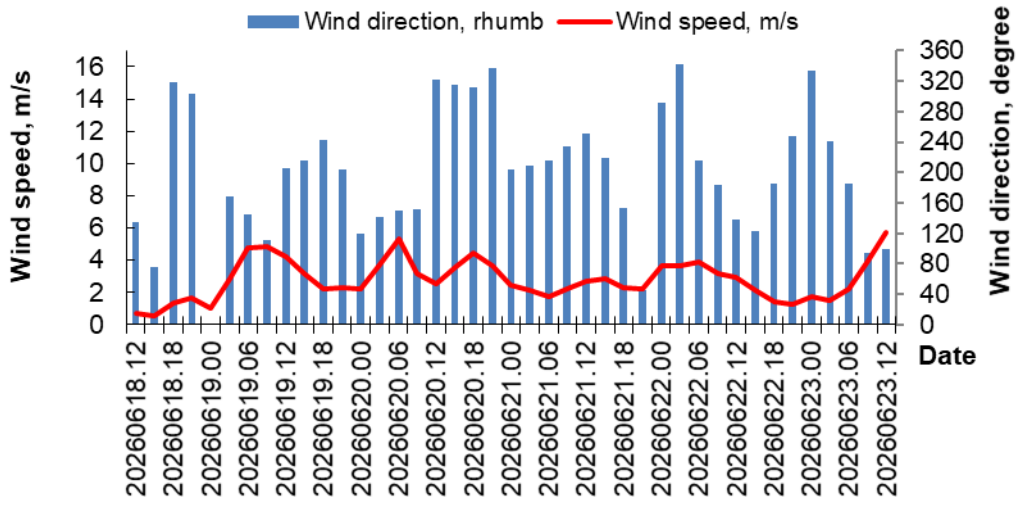


Wave condition in the Fetisovo

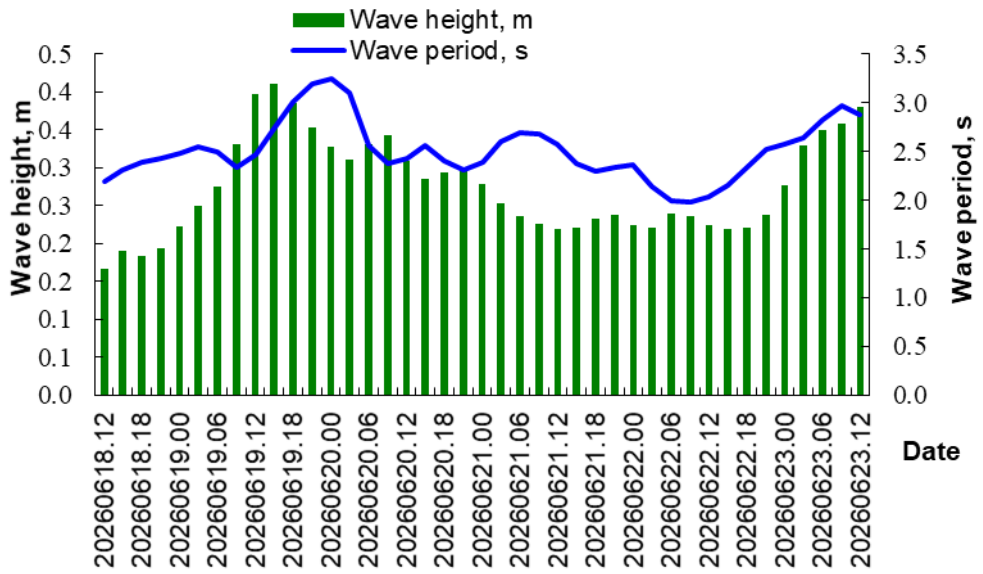


Date time	Fetisovo				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.24	SW	2.0	3	SW
20260618.15	0.25	SW	2.2	3	SW
20260618.18	0.23	S	2.4	3	NW
20260618.21	0.21	S	2.4	2	NW
20260619.00	0.22	S	2.5	1	S
20260619.03	0.24	S	2.5	3	SE
20260619.06	0.27	SW	2.4	5	SE
20260619.09	0.32	W	2.2	6	SE
20260619.12	0.34	W	2.3	4	N
20260619.15	0.36	SW	2.4	5	N
20260619.18	0.47	S	2.5	6	N
20260619.21	0.52	S	2.8	5	W
20260620.00	0.48	S	3.0	3	S
20260620.03	0.42	SW	3.1	3	E
20260620.06	0.38	SW	3.2	4	NE
20260620.09	0.34	SW	3.3	3	NE
20260620.12	0.31	W	3.3	1	W
20260620.15	0.29	W	3.1	1	NW
20260620.18	0.27	W	3.0	1	W
20260620.21	0.25	W	2.9	2	SW
20260621.00	0.25	W	2.7	4	E
20260621.03	0.29	W	2.5	4	E
20260621.06	0.31	W	2.3	4	E
20260621.09	0.29	W	2.2	3	SE
20260621.12	0.26	W	2.3	2	E
20260621.15	0.24	W	2.4	2	SE
20260621.18	0.24	NW	2.4	3	SE
20260621.21	0.24	NW	2.2	3	S
20260622.00	0.24	NW	2.1	3	W
20260622.03	0.22	NW	2.1	3	NW
20260622.06	0.21	NW	2.1	2	SW
20260622.09	0.19	NW	2.1	2	S
20260622.12	0.19	NW	2.1	3	S
20260622.15	0.19	NW	2.0	3	SE
20260622.18	0.20	NW	2.1	3	SW
20260622.21	0.20	W	2.2	3	SW
20260623.00	0.24	S	2.3	3	N
20260623.03	0.32	SE	2.5	3	W
20260623.06	0.41	SE	2.7	2	SW
20260623.09	0.48	SE	3.0	3	SE
20260623.12	0.46	SE	3.2	6	SE

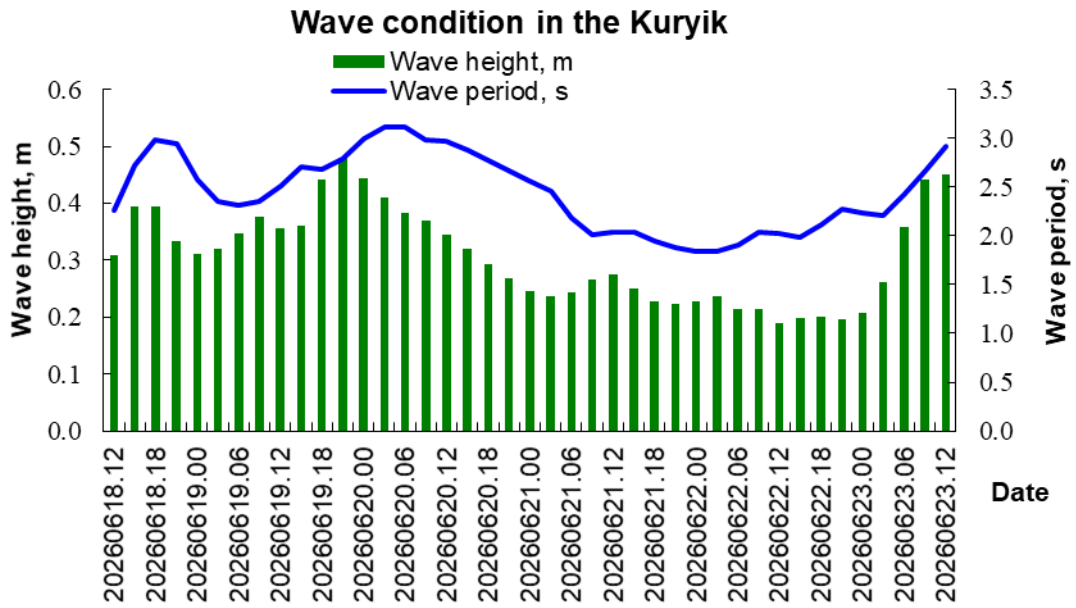
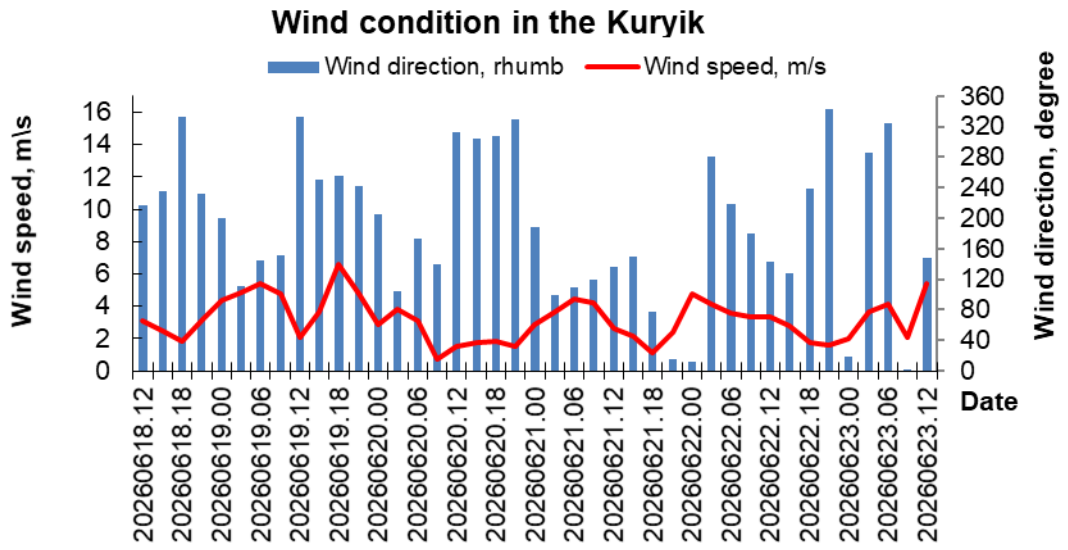
Wind condition in the Saura



Wave condition in the Saura



Date time	Saura				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.17	SW	2.2	1	SE
20260618.15	0.19	S	2.3	1	E
20260618.18	0.18	S	2.4	1	NW
20260618.21	0.19	S	2.4	2	NW
20260619.00	0.22	S	2.5	1	N
20260619.03	0.25	SW	2.5	3	S
20260619.06	0.28	SW	2.5	5	SE
20260619.09	0.33	W	2.3	5	E
20260619.12	0.40	W	2.5	4	SW
20260619.15	0.41	W	2.7	3	SW
20260619.18	0.38	W	3.0	2	SW
20260619.21	0.35	W	3.2	2	SW
20260620.00	0.33	W	3.2	2	SE
20260620.03	0.31	W	3.1	4	SE
20260620.06	0.33	W	2.6	5	SE
20260620.09	0.34	NW	2.4	3	SE
20260620.12	0.31	W	2.4	3	NW
20260620.15	0.28	W	2.6	4	NW
20260620.18	0.29	S	2.4	4	NW
20260620.21	0.30	SE	2.3	4	N
20260621.00	0.28	SE	2.4	2	SW
20260621.03	0.25	S	2.6	2	SW
20260621.06	0.24	S	2.7	2	SW
20260621.09	0.23	S	2.7	2	SW
20260621.12	0.22	S	2.6	3	W
20260621.15	0.22	S	2.4	3	SW
20260621.18	0.23	SW	2.3	2	SE
20260621.21	0.24	SW	2.3	2	NE
20260622.00	0.23	SW	2.4	4	W
20260622.03	0.22	SW	2.1	4	N
20260622.06	0.24	SW	2.0	4	SW
20260622.09	0.24	SW	2.0	3	S
20260622.12	0.22	SW	2.0	3	SE
20260622.15	0.22	W	2.2	2	SE
20260622.18	0.22	W	2.3	1	S
20260622.21	0.24	W	2.5	1	W
20260623.00	0.28	SW	2.6	2	NW
20260623.03	0.33	SE	2.6	1	SW
20260623.06	0.35	SE	2.8	2	S
20260623.09	0.36	SE	3.0	4	E
20260623.12	0.38	S	2.9	6	E



Date time	Kuryk				
	Wave height, m	Wave direction, rhumb	Wave period, s	Wind speed, m/s	Wind direction, rhumb
20260618.12	0.31	SW	2.3	3	SW
20260618.15	0.39	SW	2.7	2	SW
20260618.18	0.39	S	3.0	2	NW
20260618.21	0.33	S	2.9	3	SW
20260619.00	0.31	S	2.6	4	S
20260619.03	0.32	SW	2.4	5	E
20260619.06	0.35	W	2.3	5	SE
20260619.09	0.38	W	2.4	5	SE
20260619.12	0.36	W	2.5	2	NW
20260619.15	0.36	W	2.7	4	W
20260619.18	0.44	SW	2.7	7	W
20260619.21	0.48	SW	2.8	5	SW
20260620.00	0.44	SW	3.0	3	SW
20260620.03	0.41	SW	3.1	4	E
20260620.06	0.38	SW	3.1	3	S
20260620.09	0.37	SW	3.0	1	SE
20260620.12	0.35	SW	3.0	2	NW
20260620.15	0.32	SW	2.9	2	NW
20260620.18	0.29	SW	2.8	2	NW
20260620.21	0.27	SW	2.7	1	NW
20260621.00	0.25	SW	2.6	3	S
20260621.03	0.24	W	2.5	4	E
20260621.06	0.24	W	2.2	4	E
20260621.09	0.27	W	2.0	4	SE
20260621.12	0.27	W	2.0	3	SE
20260621.15	0.25	NW	2.0	2	SE
20260621.18	0.23	W	1.9	1	E
20260621.21	0.22	W	1.9	2	N
20260622.00	0.23	NW	1.8	5	N
20260622.03	0.24	NE	1.8	4	W
20260622.06	0.21	E	1.9	4	SW
20260622.09	0.21	E	2.0	3	S
20260622.12	0.19	W	2.0	3	SE
20260622.15	0.20	W	2.0	3	SE
20260622.18	0.20	W	2.1	2	SW
20260622.21	0.20	W	2.3	2	N
20260623.00	0.21	W	2.2	2	N
20260623.03	0.26	E	2.2	4	W
20260623.06	0.36	SE	2.4	4	NW
20260623.09	0.44	SE	2.7	2	N
20260623.12	0.45	SE	2.9	5	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.

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