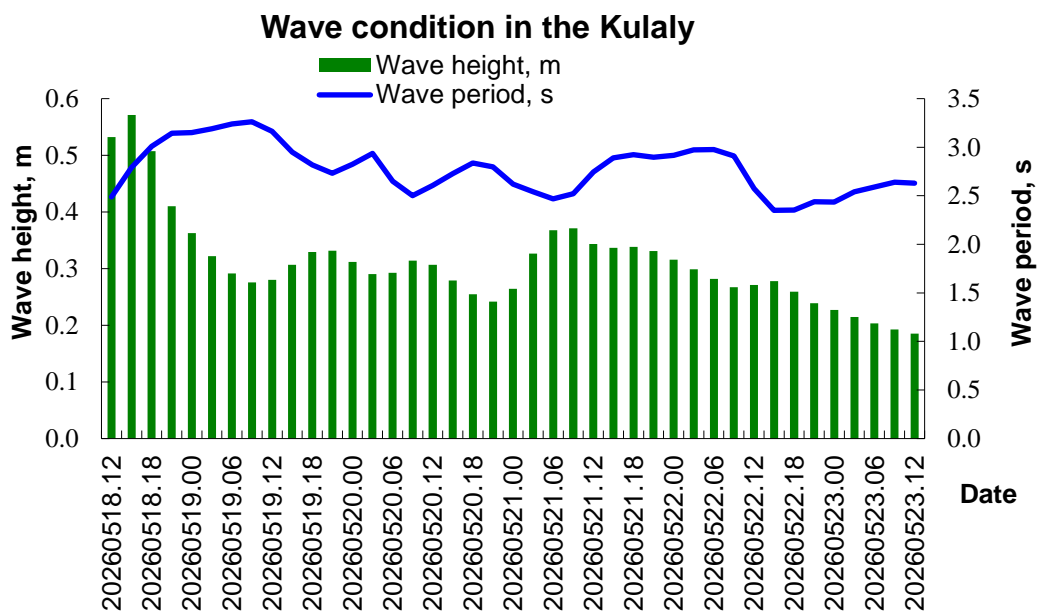
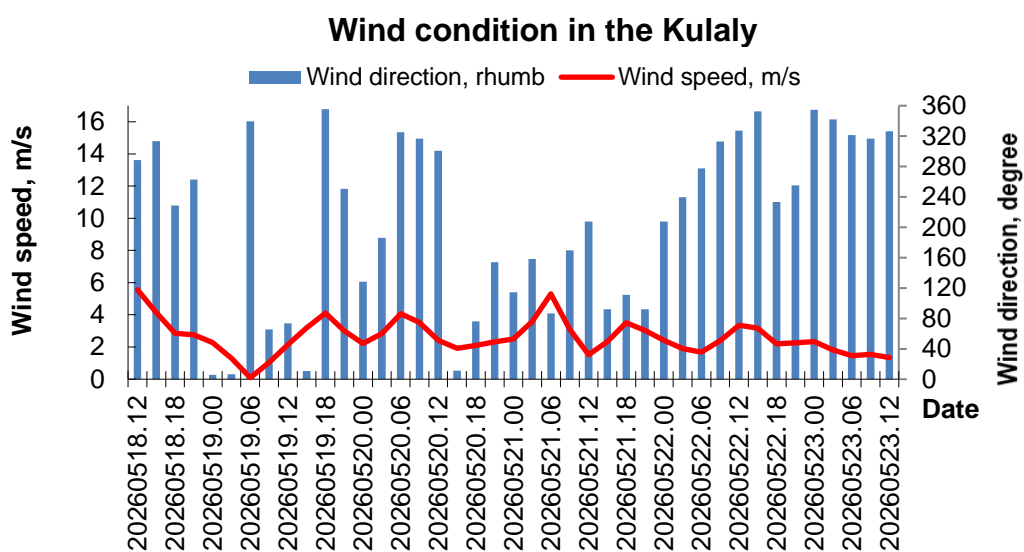




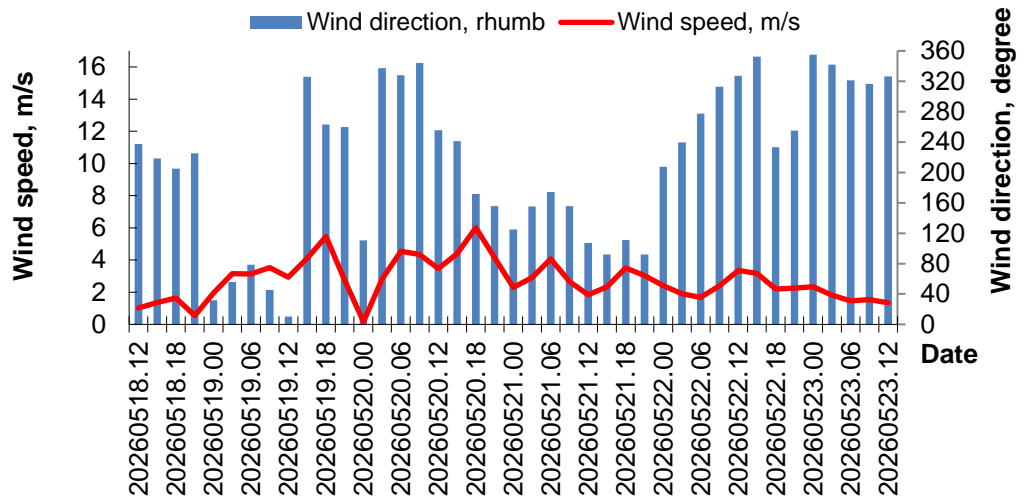
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**Wave and wind forecast for the Kazakhstan part of the Caspian Sea with a 5-day advance
using SWAN spectral model for the period May 18 -- 23, 2026 .**

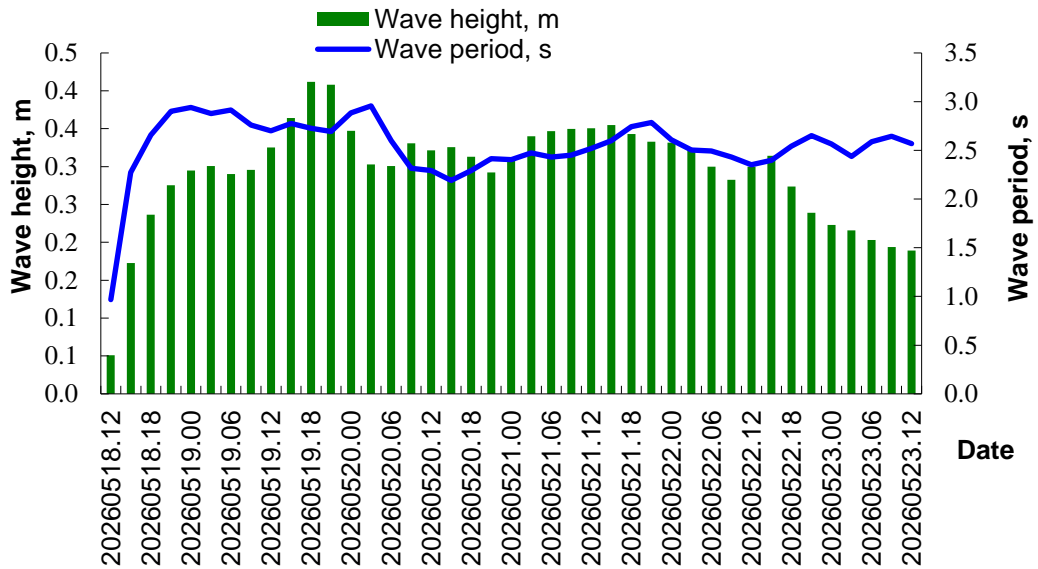


Date time	Kulaly				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.53	E	2.5	6	W
20260518.15	0.57	SE	2.8	4	NW
20260518.18	0.51	SE	3.0	3	SW
20260518.21	0.41	S	3.1	3	W
20260519.00	0.36	S	3.2	2	N
20260519.03	0.32	SE	3.2	1	N
20260519.06	0.29	SE	3.2	0	N
20260519.09	0.28	SE	3.3	1	NE
20260519.12	0.28	E	3.2	2	E
20260519.15	0.31	E	3.0	3	N
20260519.18	0.33	E	2.8	4	N
20260519.21	0.33	E	2.7	3	W
20260520.00	0.31	E	2.8	2	SE
20260520.03	0.29	E	2.9	3	S
20260520.06	0.29	E	2.6	4	NW
20260520.09	0.31	SE	2.5	4	NW
20260520.12	0.31	SE	2.6	2	NW
20260520.15	0.28	SE	2.7	2	N
20260520.18	0.25	E	2.8	2	E
20260520.21	0.24	E	2.8	2	SE
20260521.00	0.26	SE	2.6	3	SE
20260521.03	0.33	SW	2.5	4	S
20260521.06	0.37	W	2.5	5	E
20260521.09	0.37	NW	2.5	3	S
20260521.12	0.34	NW	2.7	2	SW
20260521.15	0.34	S	2.9	2	E
20260521.18	0.34	SE	2.9	4	E
20260521.21	0.33	SE	2.9	3	E
20260522.00	0.32	SE	2.9	2	SW
20260522.03	0.30	E	3.0	2	SW
20260522.06	0.28	E	3.0	2	W
20260522.09	0.27	SE	2.9	2	NW
20260522.12	0.27	SE	2.6	3	NW
20260522.15	0.28	S	2.3	3	N
20260522.18	0.26	S	2.4	2	SW
20260522.21	0.24	SE	2.4	2	W
20260523.00	0.23	SE	2.4	2	N
20260523.03	0.21	SE	2.5	2	N
20260523.06	0.20	SE	2.6	1	NW
20260523.09	0.19	SE	2.6	2	NW
20260523.12	0.19	SE	2.6	1	NW

Wind condition in the Fort-Shevchenko

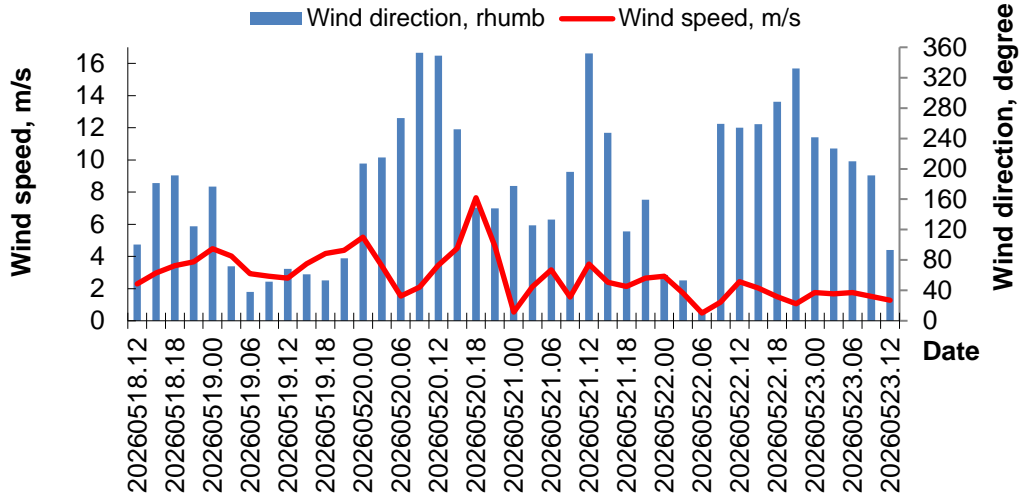


Wave condition in the Fort-Shevchenko

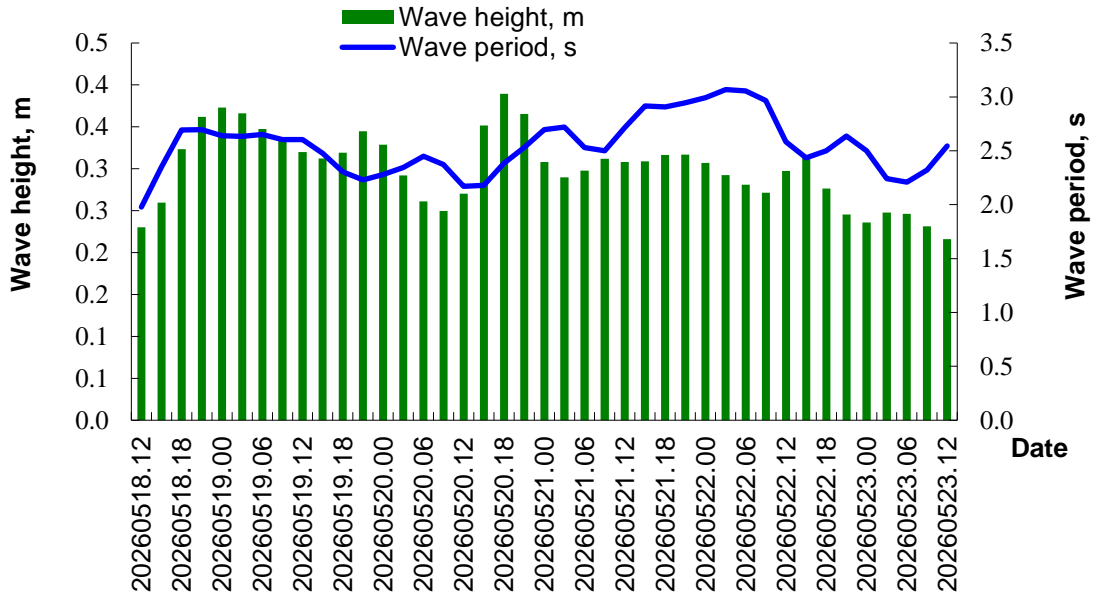


Date time	Fort-Shevchenko				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.05	SW	1.0	1	SW
20260518.15	0.17	SE	2.3	1	SW
20260518.18	0.24	S	2.7	2	SW
20260518.21	0.28	S	2.9	1	SW
20260519.00	0.29	S	2.9	2	NE
20260519.03	0.30	S	2.9	3	NE
20260519.06	0.29	SE	2.9	3	E
20260519.09	0.30	E	2.8	4	NE
20260519.12	0.33	E	2.7	3	N
20260519.15	0.36	E	2.8	4	NW
20260519.18	0.41	E	2.7	5	W
20260519.21	0.41	SE	2.7	3	W
20260520.00	0.35	E	2.9	0	E
20260520.03	0.30	E	3.0	3	NW
20260520.06	0.30	E	2.6	5	NW
20260520.09	0.33	SE	2.3	4	N
20260520.12	0.32	SE	2.3	3	W
20260520.15	0.33	S	2.2	4	SW
20260520.18	0.31	S	2.3	6	S
20260520.21	0.29	SE	2.4	4	SE
20260521.00	0.31	SW	2.4	2	SE
20260521.03	0.34	SW	2.5	3	SE
20260521.06	0.35	W	2.4	4	S
20260521.09	0.35	NW	2.4	3	SE
20260521.12	0.35	N	2.5	2	E
20260521.15	0.36	NE	2.6	2	E
20260521.18	0.34	NE	2.7	4	E
20260521.21	0.33	NE	2.8	3	E
20260522.00	0.33	NE	2.6	2	SW
20260522.03	0.32	N	2.5	2	SW
20260522.06	0.30	NE	2.5	2	W
20260522.09	0.28	NE	2.4	2	NW
20260522.12	0.30	S	2.4	3	NW
20260522.15	0.31	SW	2.4	3	N
20260522.18	0.27	SW	2.5	2	SW
20260522.21	0.24	S	2.7	2	W
20260523.00	0.22	S	2.6	2	N
20260523.03	0.22	S	2.4	2	N
20260523.06	0.20	S	2.6	1	NW
20260523.09	0.19	SE	2.6	2	NW
20260523.12	0.19	SE	2.6	1	NW

Wind condition in the Aktau

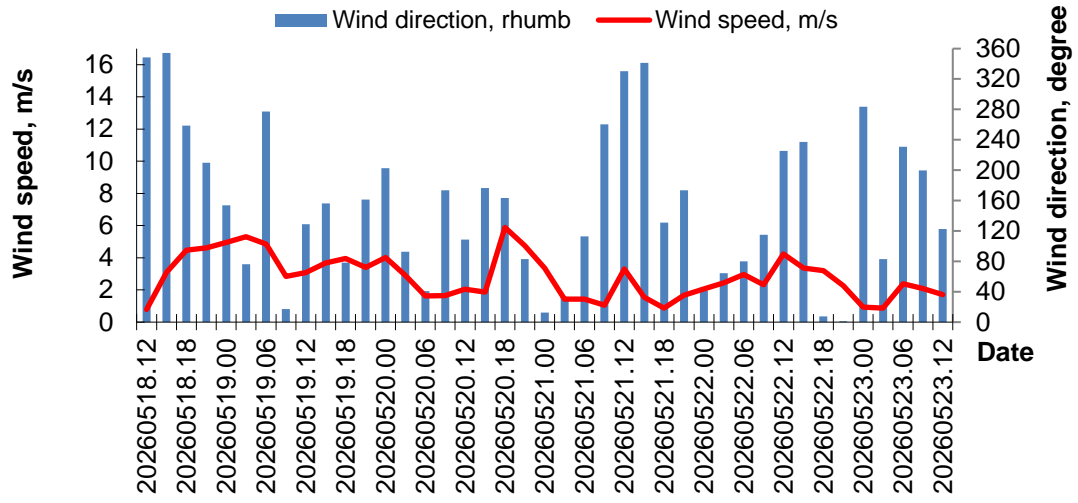


Wave condition in the Aktau

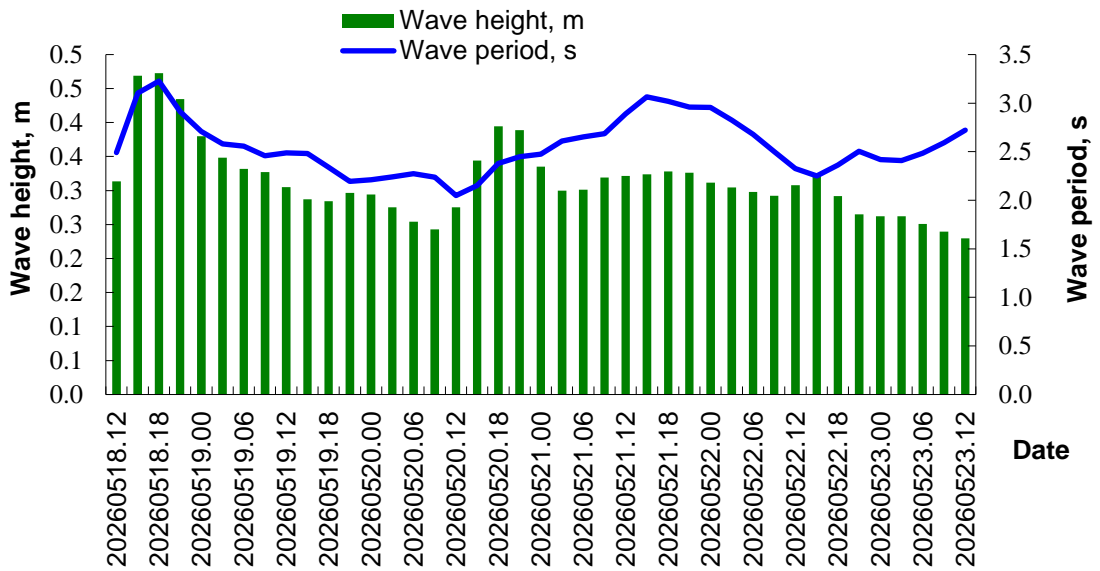


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.23	W	2.0	2	E
20260518.15	0.26	W	2.3	3	S
20260518.18	0.32	E	2.7	3	S
20260518.21	0.36	E	2.7	4	SE
20260519.00	0.37	E	2.6	4	S
20260519.03	0.37	N	2.6	4	E
20260519.06	0.35	N	2.7	3	NE
20260519.09	0.34	NE	2.6	3	NE
20260519.12	0.32	NE	2.6	3	E
20260519.15	0.31	NE	2.5	4	NE
20260519.18	0.32	NE	2.3	4	NE
20260519.21	0.34	NE	2.2	4	E
20260520.00	0.33	N	2.3	5	SW
20260520.03	0.29	N	2.3	3	SW
20260520.06	0.26	N	2.5	2	W
20260520.09	0.25	NE	2.4	2	N
20260520.12	0.27	SE	2.2	3	N
20260520.15	0.35	S	2.2	5	W
20260520.18	0.39	S	2.4	8	SE
20260520.21	0.37	NW	2.5	5	SE
20260521.00	0.31	N	2.7	1	S
20260521.03	0.29	N	2.7	2	SE
20260521.06	0.30	N	2.5	3	SE
20260521.09	0.31	N	2.5	1	S
20260521.12	0.31	N	2.7	4	N
20260521.15	0.31	N	2.9	2	SW
20260521.18	0.32	N	2.9	2	SE
20260521.21	0.32	N	2.9	3	S
20260522.00	0.31	N	3.0	3	NE
20260522.03	0.29	N	3.1	2	NE
20260522.06	0.28	N	3.1	0	N
20260522.09	0.27	N	3.0	1	W
20260522.12	0.30	NW	2.6	2	W
20260522.15	0.31	W	2.4	2	W
20260522.18	0.28	W	2.5	1	W
20260522.21	0.25	SW	2.6	1	NW
20260523.00	0.24	S	2.5	2	SW
20260523.03	0.25	S	2.2	2	SW
20260523.06	0.25	S	2.2	2	SW
20260523.09	0.23	S	2.3	2	S
20260523.12	0.22	S	2.5	1	E

Wind condition in the Peschanyi

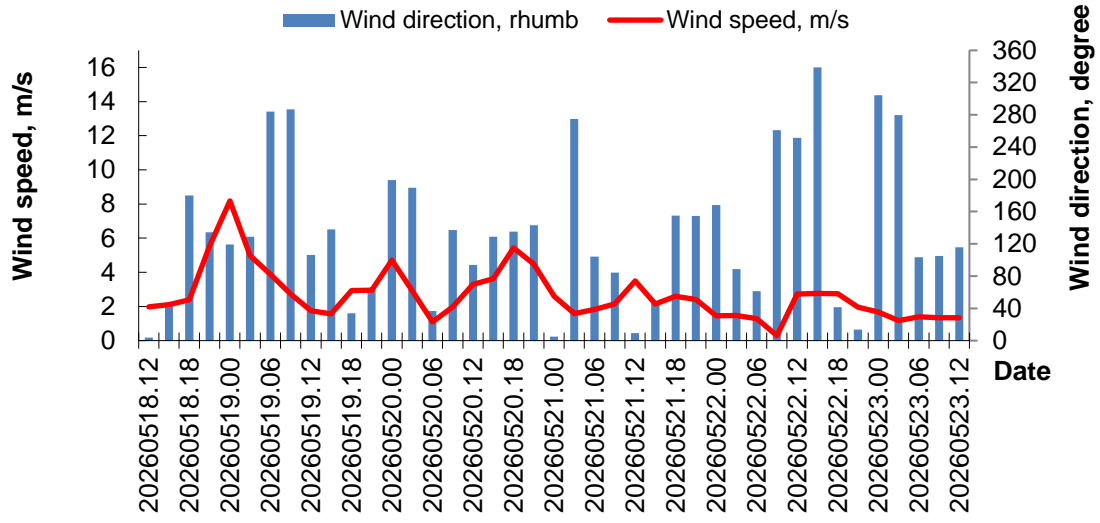


Wave condition in the Peschanyi

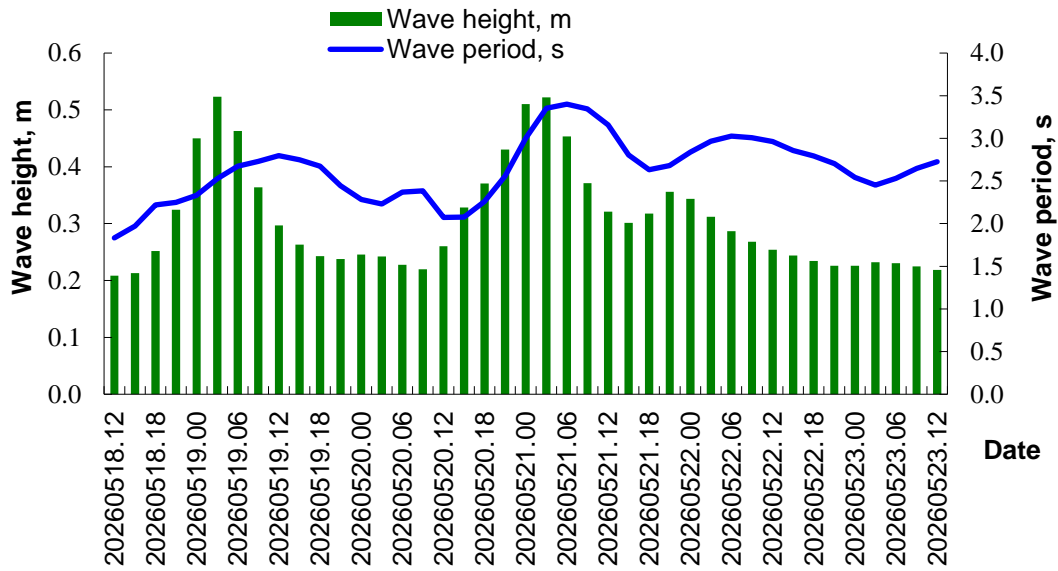


Date time	Peschanyi (Isan)				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.31	SW	2.5	1	N
20260518.15	0.47	SE	3.1	3	N
20260518.18	0.47	E	3.2	4	W
20260518.21	0.43	E	2.9	5	SW
20260519.00	0.38	SE	2.7	5	SE
20260519.03	0.35	NW	2.6	5	E
20260519.06	0.33	N	2.6	5	W
20260519.09	0.33	NE	2.5	3	N
20260519.12	0.30	N	2.5	3	SE
20260519.15	0.29	N	2.5	4	SE
20260519.18	0.28	N	2.3	4	E
20260519.21	0.30	N	2.2	3	S
20260520.00	0.29	N	2.2	4	SW
20260520.03	0.28	N	2.2	3	E
20260520.06	0.25	N	2.3	2	NE
20260520.09	0.24	N	2.2	2	S
20260520.12	0.28	NE	2.0	2	E
20260520.15	0.34	SE	2.2	2	S
20260520.18	0.39	E	2.4	6	S
20260520.21	0.39	NE	2.4	5	E
20260521.00	0.34	NE	2.5	3	N
20260521.03	0.30	NE	2.6	1	NE
20260521.06	0.30	NE	2.7	1	SE
20260521.09	0.32	N	2.7	1	W
20260521.12	0.32	N	2.9	3	NW
20260521.15	0.32	N	3.1	2	N
20260521.18	0.33	N	3.0	1	SE
20260521.21	0.33	N	3.0	2	S
20260522.00	0.31	N	3.0	2	NE
20260522.03	0.30	N	2.8	2	NE
20260522.06	0.30	NE	2.7	3	E
20260522.09	0.29	NE	2.5	2	SE
20260522.12	0.31	N	2.3	4	SW
20260522.15	0.32	SW	2.3	3	SW
20260522.18	0.29	SW	2.4	3	N
20260522.21	0.27	S	2.5	2	N
20260523.00	0.26	S	2.4	1	W
20260523.03	0.26	S	2.4	1	E
20260523.06	0.25	S	2.5	2	SW
20260523.09	0.24	S	2.6	2	S
20260523.12	0.23	SE	2.7	2	SE

Wind condition in the Fetisovo

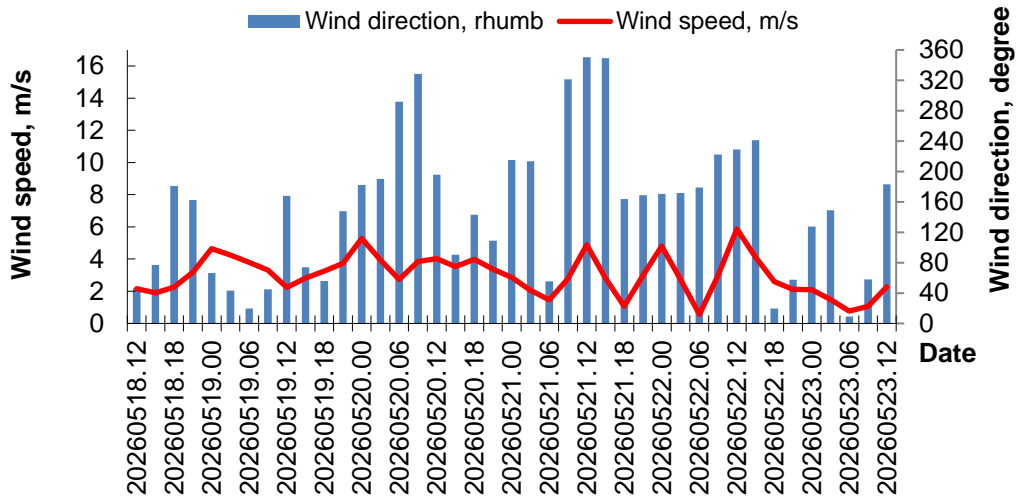


Wave condition in the Fetisovo

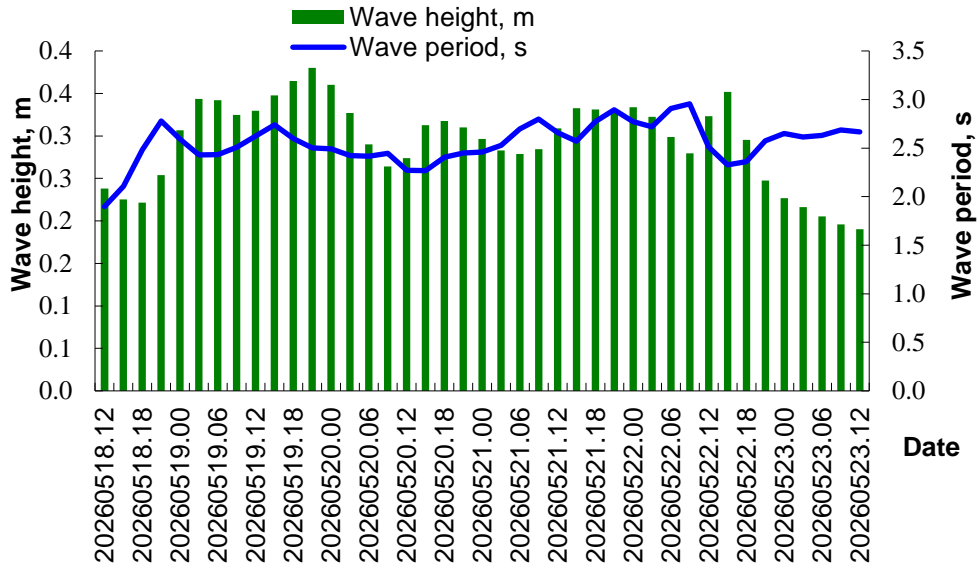


Date time	Fetisovo				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.21	E	1.8	2	N
20260518.15	0.21	NE	2.0	2	NE
20260518.18	0.25	N	2.2	2	S
20260518.21	0.32	NW	2.3	6	SE
20260519.00	0.45	NW	2.3	8	SE
20260519.03	0.52	NW	2.5	5	SE
20260519.06	0.46	NW	2.7	4	W
20260519.09	0.36	NW	2.7	3	W
20260519.12	0.30	W	2.8	2	E
20260519.15	0.26	W	2.7	2	SE
20260519.18	0.24	NW	2.7	3	NE
20260519.21	0.24	N	2.4	3	NE
20260520.00	0.25	N	2.3	5	S
20260520.03	0.24	NW	2.2	3	S
20260520.06	0.23	NW	2.4	1	NE
20260520.09	0.22	N	2.4	2	SE
20260520.12	0.26	N	2.1	3	E
20260520.15	0.33	N	2.1	4	SE
20260520.18	0.37	N	2.3	5	SE
20260520.21	0.43	N	2.6	4	SE
20260521.00	0.51	N	3.0	3	N
20260521.03	0.52	N	3.4	2	W
20260521.06	0.45	N	3.4	2	E
20260521.09	0.37	N	3.3	2	E
20260521.12	0.32	N	3.2	4	N
20260521.15	0.30	N	2.8	2	NE
20260521.18	0.32	N	2.6	3	SE
20260521.21	0.36	NW	2.7	2	SE
20260522.00	0.34	NW	2.8	1	S
20260522.03	0.31	NW	3.0	1	E
20260522.06	0.29	N	3.0	1	NE
20260522.09	0.27	N	3.0	0	W
20260522.12	0.25	N	3.0	3	W
20260522.15	0.24	N	2.9	3	N
20260522.18	0.23	NW	2.8	3	NE
20260522.21	0.23	NW	2.7	2	N
20260523.00	0.23	NW	2.5	2	NW
20260523.03	0.23	SW	2.5	1	W
20260523.06	0.23	S	2.5	1	E
20260523.09	0.23	SE	2.6	1	E
20260523.12	0.22	SE	2.7	1	SE

Wind condition in the Saura

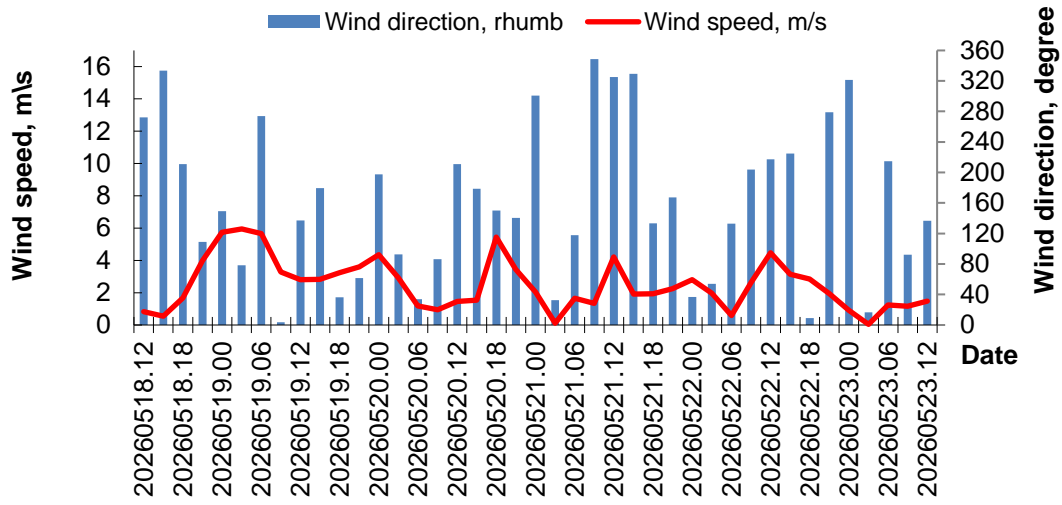


Wave condition in the Saura

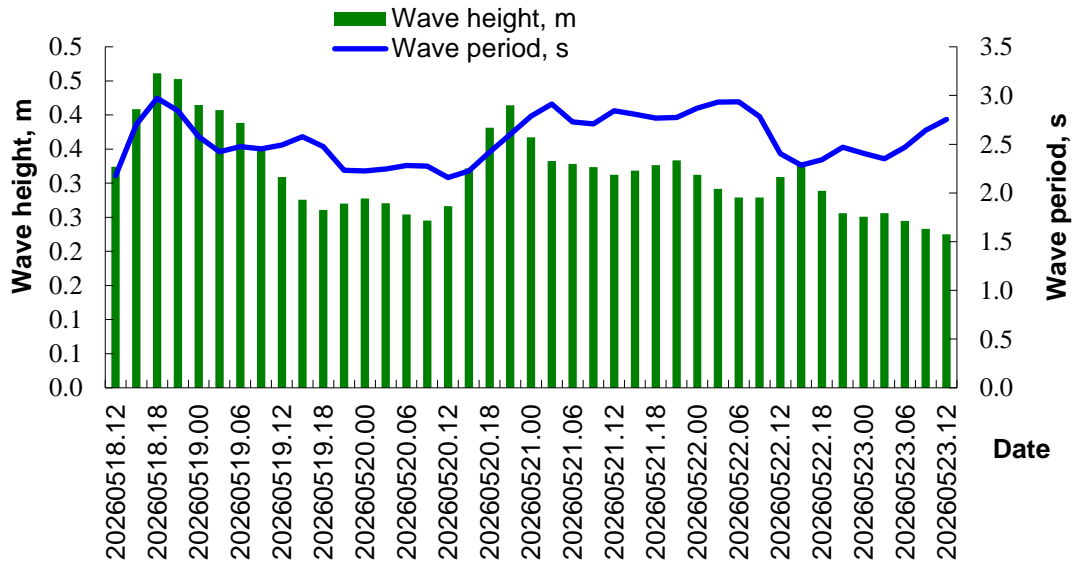


Date time	Saura				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.24	NE	1.9	2	NE
20260518.15	0.23	NE	2.1	2	E
20260518.18	0.22	SE	2.5	2	S
20260518.21	0.25	S	2.8	3	S
20260519.00	0.31	S	2.6	5	NE
20260519.03	0.34	SE	2.4	4	NE
20260519.06	0.34	E	2.4	4	N
20260519.09	0.32	E	2.5	3	NE
20260519.12	0.33	E	2.6	2	S
20260519.15	0.35	NE	2.7	3	E
20260519.18	0.36	NE	2.6	3	NE
20260519.21	0.38	NE	2.5	4	SE
20260520.00	0.36	NE	2.5	5	S
20260520.03	0.33	NE	2.4	4	S
20260520.06	0.29	NE	2.4	3	W
20260520.09	0.26	E	2.4	4	NW
20260520.12	0.27	SE	2.3	4	S
20260520.15	0.31	S	2.3	4	E
20260520.18	0.32	S	2.4	4	SE
20260520.21	0.31	SE	2.4	3	E
20260521.00	0.30	NE	2.5	3	SW
20260521.03	0.28	NE	2.5	2	SW
20260521.06	0.28	N	2.7	1	NE
20260521.09	0.28	N	2.8	3	NW
20260521.12	0.31	NE	2.7	5	N
20260521.15	0.33	NE	2.6	3	N
20260521.18	0.33	NE	2.8	1	S
20260521.21	0.33	NE	2.9	3	S
20260522.00	0.33	N	2.8	5	S
20260522.03	0.32	N	2.7	3	S
20260522.06	0.30	N	2.9	1	S
20260522.09	0.28	N	3.0	3	SW
20260522.12	0.32	W	2.5	6	SW
20260522.15	0.35	SW	2.3	4	SW
20260522.18	0.30	SW	2.4	3	N
20260522.21	0.25	S	2.6	2	NE
20260523.00	0.23	S	2.7	2	SE
20260523.03	0.22	S	2.6	1	SE
20260523.06	0.21	S	2.6	1	N
20260523.09	0.20	SE	2.7	1	NE
20260523.12	0.19	SE	2.7	2	S

Wind condition in the Kuryik



Wave condition in the Kuryik



Date time	Kuryk				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260518.12	0.32	SW	2.2	1	W
20260518.15	0.41	E	2.7	1	NW
20260518.18	0.46	E	3.0	2	SW
20260518.21	0.45	NE	2.8	4	E
20260519.00	0.41	N	2.6	6	SE
20260519.03	0.41	NW	2.4	6	E
20260519.06	0.39	N	2.5	6	W
20260519.09	0.35	NE	2.5	3	N
20260519.12	0.31	NE	2.5	3	SE
20260519.15	0.28	N	2.6	3	S
20260519.18	0.26	N	2.5	3	NE
20260519.21	0.27	N	2.2	4	NE
20260520.00	0.28	N	2.2	4	S
20260520.03	0.27	N	2.2	3	E
20260520.06	0.25	N	2.3	1	NE
20260520.09	0.25	N	2.3	1	E
20260520.12	0.27	E	2.2	1	SW
20260520.15	0.32	E	2.2	2	S
20260520.18	0.38	NE	2.4	5	SE
20260520.21	0.41	NE	2.6	3	SE
20260521.00	0.37	N	2.8	2	NW
20260521.03	0.33	N	2.9	0	NE
20260521.06	0.33	N	2.7	2	SE
20260521.09	0.32	N	2.7	1	N
20260521.12	0.31	N	2.8	4	NW
20260521.15	0.32	NE	2.8	2	NW
20260521.18	0.33	N	2.8	2	SE
20260521.21	0.33	N	2.8	2	S
20260522.00	0.31	N	2.9	3	NE
20260522.03	0.29	N	2.9	2	NE
20260522.06	0.28	N	2.9	1	SE
20260522.09	0.28	N	2.8	3	SW
20260522.12	0.31	NW	2.4	4	SW
20260522.15	0.33	W	2.3	3	SW
20260522.18	0.29	W	2.3	3	N
20260522.21	0.26	SW	2.5	2	W
20260523.00	0.25	S	2.4	1	NW
20260523.03	0.26	S	2.4	0	N
20260523.06	0.24	S	2.5	1	SW
20260523.09	0.23	S	2.6	1	E
20260523.12	0.22	SE	2.8	1	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.

Checked by: Kurmangalieva A.

RSE «Kazhydromet» – Caspian Sea Hydrometeorological Research Department

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