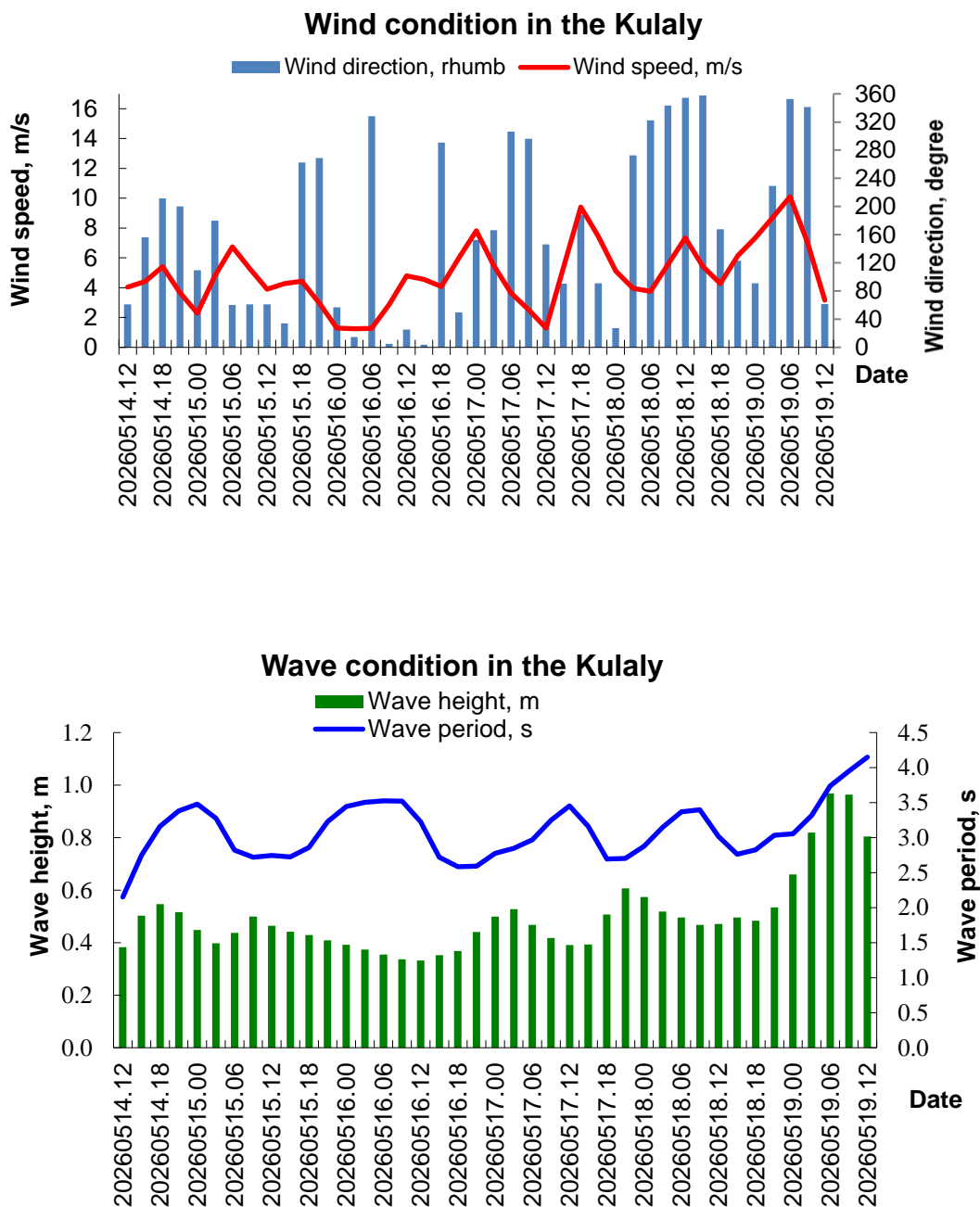




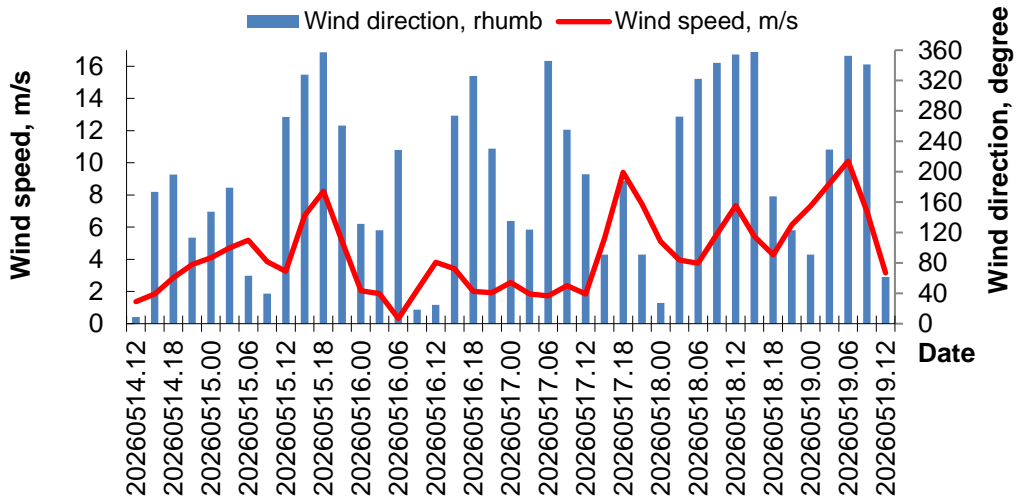
**MINISTRY OF ECOLOGY AND NATURAL RESOURCES
OF THE REPUBLIC OF KAZAKHSTAN
RSE «KAZHYDROMET»**

**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 14 -- 19, 2026 .**

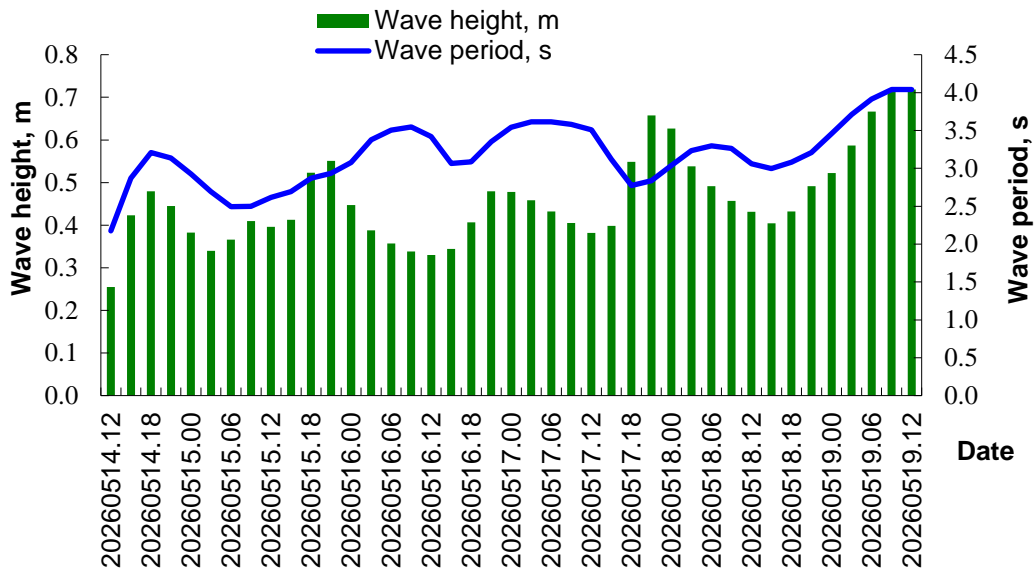


Date time	Kulaly				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.38	NE	2.2	4	NE
20260514.15	0.50	SE	2.7	4	SE
20260514.18	0.55	S	3.2	5	SW
20260514.21	0.52	S	3.4	4	S
20260515.00	0.45	SE	3.5	2	E
20260515.03	0.40	SE	3.3	5	S
20260515.06	0.44	NE	2.8	7	NE
20260515.09	0.50	NE	2.7	5	NE
20260515.12	0.46	NE	2.7	4	NE
20260515.15	0.44	NE	2.7	4	NE
20260515.18	0.43	E	2.9	4	W
20260515.21	0.41	E	3.2	3	W
20260516.00	0.39	SE	3.4	1	NE
20260516.03	0.37	SE	3.5	1	N
20260516.06	0.35	SE	3.5	1	NW
20260516.09	0.34	SE	3.5	3	N
20260516.12	0.33	E	3.2	5	NE
20260516.15	0.35	E	2.7	5	N
20260516.18	0.37	E	2.6	4	W
20260516.21	0.44	E	2.6	6	NE
20260517.00	0.50	NE	2.8	8	SE
20260517.03	0.53	NE	2.8	6	S
20260517.06	0.47	NE	3.0	4	NW
20260517.09	0.42	E	3.2	3	NW
20260517.12	0.39	E	3.5	1	SE
20260517.15	0.39	E	3.2	5	E
20260517.18	0.51	W	2.7	9	S
20260517.21	0.61	W	2.7	7	E
20260518.00	0.57	W	2.9	5	NE
20260518.03	0.52	NW	3.1	4	W
20260518.06	0.50	NW	3.4	4	NW
20260518.09	0.47	NW	3.4	6	N
20260518.12	0.47	NW	3.0	7	N
20260518.15	0.50	SW	2.8	5	N
20260518.18	0.48	SW	2.8	4	S
20260518.21	0.53	W	3.0	6	SE
20260519.00	0.66	W	3.1	7	E
20260519.03	0.82	SW	3.3	9	SW
20260519.06	0.97	SW	3.7	10	N
20260519.09	0.96	SW	3.9	7	N
20260519.12	0.80	SW	4.1	3	NE

Wind condition in the Fort-Shevchenko

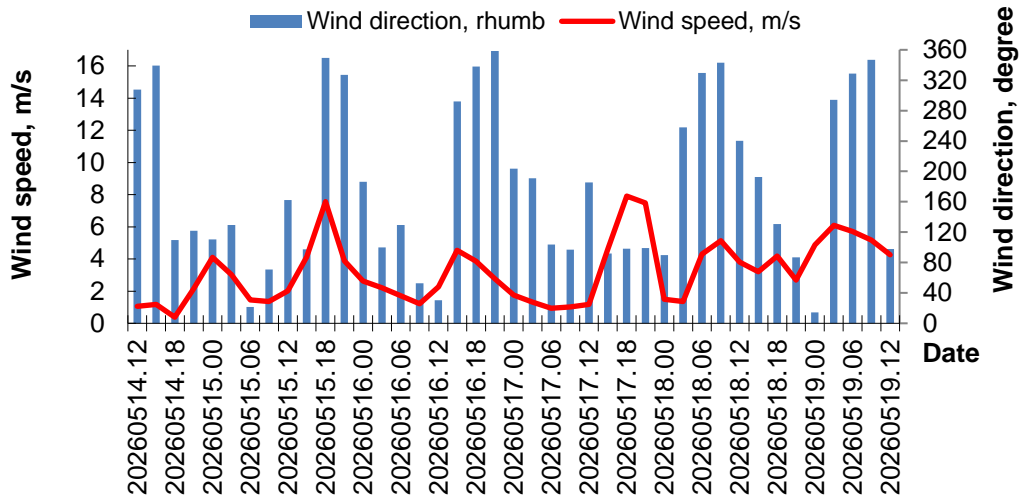


Wave condition in the Fort-Shevchenko

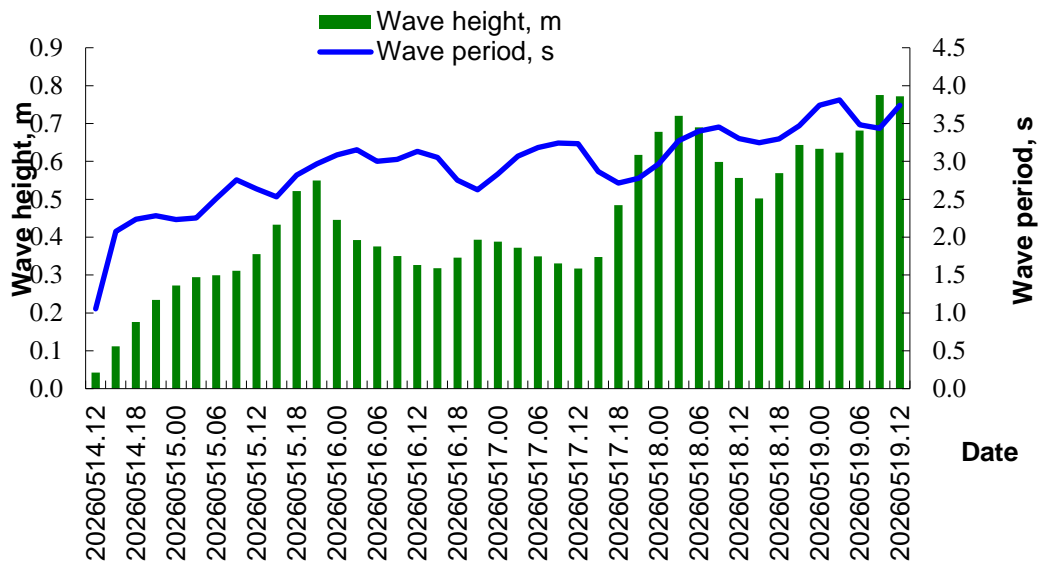


Date time	Fort-Shevchenko				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.25	S	2.2	1	N
20260514.15	0.42	S	2.9	2	S
20260514.18	0.48	S	3.2	3	S
20260514.21	0.44	S	3.1	4	SE
20260515.00	0.38	S	2.9	4	SE
20260515.03	0.34	S	2.7	5	S
20260515.06	0.37	NE	2.5	5	NE
20260515.09	0.41	NE	2.5	4	NE
20260515.12	0.40	NE	2.6	3	W
20260515.15	0.41	E	2.7	7	NW
20260515.18	0.52	SE	2.9	8	N
20260515.21	0.55	S	2.9	5	W
20260516.00	0.45	SE	3.1	2	SE
20260516.03	0.39	SE	3.4	2	SE
20260516.06	0.36	SE	3.5	0	SW
20260516.09	0.34	SE	3.5	2	N
20260516.12	0.33	E	3.4	4	NE
20260516.15	0.34	E	3.1	3	W
20260516.18	0.41	E	3.1	2	NW
20260516.21	0.48	E	3.4	2	SW
20260517.00	0.48	E	3.5	3	SE
20260517.03	0.46	E	3.6	2	SE
20260517.06	0.43	E	3.6	2	N
20260517.09	0.41	E	3.6	2	W
20260517.12	0.38	NE	3.5	2	S
20260517.15	0.40	NE	3.1	5	E
20260517.18	0.55	NW	2.8	9	S
20260517.21	0.66	W	2.8	7	E
20260518.00	0.63	W	3.0	5	NE
20260518.03	0.54	NW	3.2	4	W
20260518.06	0.49	NW	3.3	4	NW
20260518.09	0.46	W	3.3	6	N
20260518.12	0.43	W	3.1	7	N
20260518.15	0.40	W	3.0	5	N
20260518.18	0.43	W	3.1	4	S
20260518.21	0.49	W	3.2	6	SE
20260519.00	0.52	W	3.5	7	E
20260519.03	0.59	W	3.7	9	SW
20260519.06	0.67	SW	3.9	10	N
20260519.09	0.72	SW	4.0	7	N
20260519.12	0.72	SW	4.0	3	NE

Wind condition in the Aktau

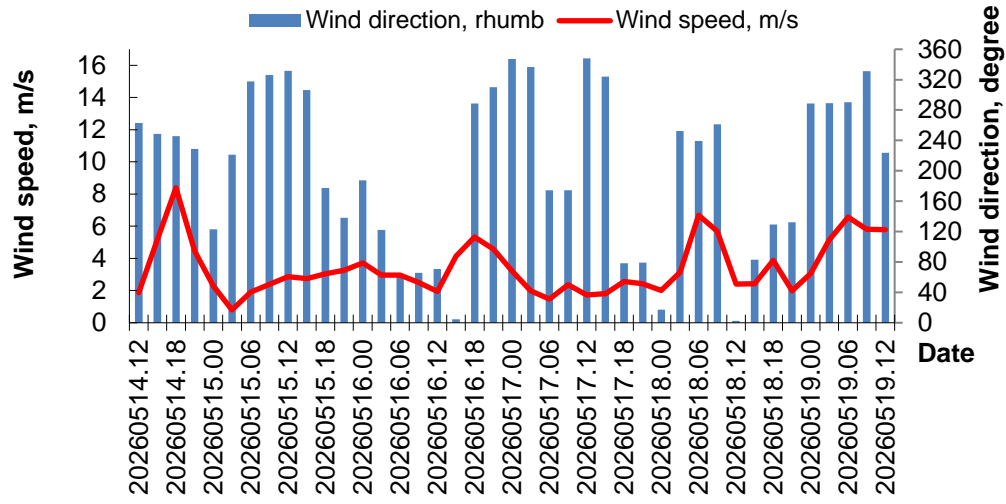


Wave condition in the Aktau

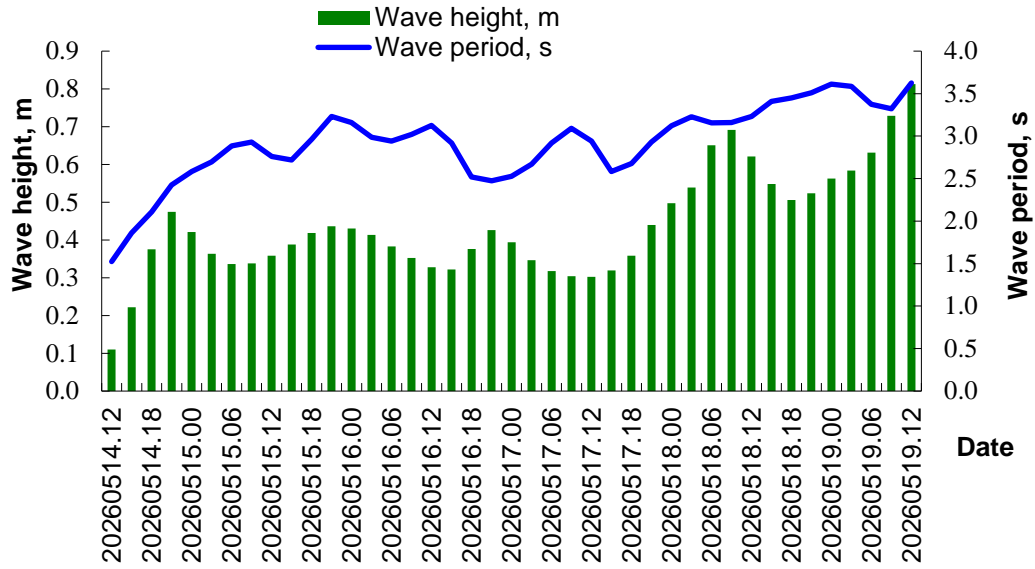


Date time	Aktau				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.04	SE	1.1	1	NW
20260514.15	0.11	S	2.1	1	N
20260514.18	0.18	S	2.2	0	E
20260514.21	0.23	SE	2.3	2	SE
20260515.00	0.27	S	2.2	4	E
20260515.03	0.29	S	2.3	3	SE
20260515.06	0.30	S	2.5	1	N
20260515.09	0.31	S	2.8	1	E
20260515.12	0.36	SE	2.6	2	S
20260515.15	0.43	N	2.5	4	E
20260515.18	0.52	SW	2.8	8	N
20260515.21	0.55	S	3.0	4	NW
20260516.00	0.45	S	3.1	3	S
20260516.03	0.39	SE	3.2	2	E
20260516.06	0.38	SE	3.0	2	SE
20260516.09	0.35	E	3.0	1	NE
20260516.12	0.33	NE	3.1	2	NE
20260516.15	0.32	NE	3.1	5	W
20260516.18	0.35	E	2.8	4	N
20260516.21	0.39	E	2.6	3	N
20260517.00	0.39	NE	2.8	2	SW
20260517.03	0.37	NE	3.1	1	S
20260517.06	0.35	NE	3.2	1	E
20260517.09	0.33	NE	3.2	1	E
20260517.12	0.32	NE	3.2	1	S
20260517.15	0.35	NE	2.9	5	E
20260517.18	0.48	NW	2.7	8	E
20260517.21	0.62	W	2.8	7	E
20260518.00	0.68	W	3.0	1	E
20260518.03	0.72	W	3.3	1	W
20260518.06	0.69	W	3.4	4	NW
20260518.09	0.60	W	3.5	5	N
20260518.12	0.56	SW	3.3	4	SW
20260518.15	0.50	SW	3.2	3	S
20260518.18	0.57	W	3.3	4	SE
20260518.21	0.64	W	3.5	3	E
20260519.00	0.63	W	3.7	5	N
20260519.03	0.62	W	3.8	6	NW
20260519.06	0.68	SW	3.5	6	NW
20260519.09	0.78	S	3.4	5	N
20260519.12	0.77	S	3.7	4	E

Wind condition in the Peschanyi

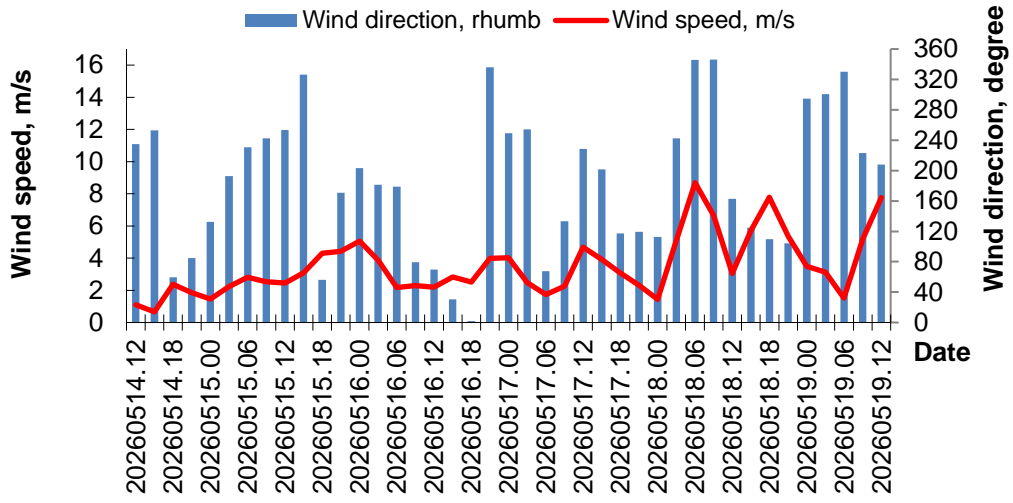


Wave condition in the Peschanyi

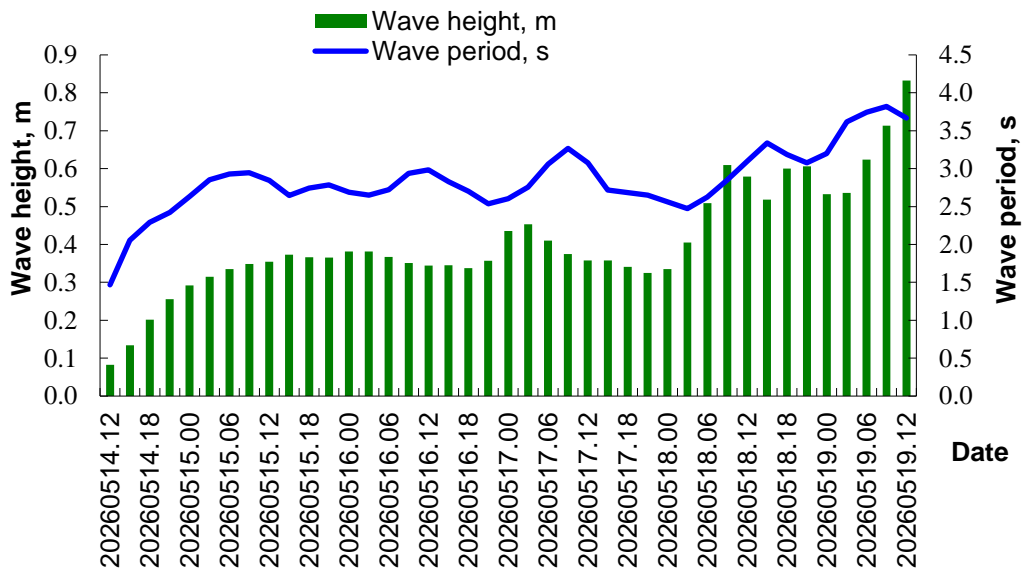


Date time	Peschanyi (Isan)				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.11	S	1.5	2	W
20260514.15	0.22	S	1.9	5	W
20260514.18	0.38	S	2.1	8	SW
20260514.21	0.47	S	2.4	4	SW
20260515.00	0.42	S	2.6	2	SE
20260515.03	0.36	S	2.7	1	SW
20260515.06	0.34	S	2.9	2	NW
20260515.09	0.34	SE	2.9	2	NW
20260515.12	0.36	SE	2.8	3	NW
20260515.15	0.39	SE	2.7	3	NW
20260515.18	0.42	S	3.0	3	S
20260515.21	0.44	S	3.2	3	SE
20260516.00	0.43	S	3.2	4	S
20260516.03	0.41	S	3.0	3	SE
20260516.06	0.38	SE	2.9	3	NE
20260516.09	0.35	E	3.0	3	NE
20260516.12	0.33	NE	3.1	2	E
20260516.15	0.32	NE	2.9	4	N
20260516.18	0.38	NE	2.5	5	W
20260516.21	0.43	E	2.5	5	NW
20260517.00	0.39	E	2.5	3	N
20260517.03	0.35	E	2.7	2	NW
20260517.06	0.32	NE	2.9	1	S
20260517.09	0.30	NE	3.1	2	S
20260517.12	0.30	NE	2.9	2	N
20260517.15	0.32	NE	2.6	2	NW
20260517.18	0.36	NW	2.7	3	E
20260517.21	0.44	NW	2.9	2	E
20260518.00	0.50	W	3.1	2	N
20260518.03	0.54	W	3.2	3	W
20260518.06	0.65	W	3.2	7	SW
20260518.09	0.69	SW	3.2	6	W
20260518.12	0.62	SW	3.2	2	N
20260518.15	0.55	SW	3.4	2	E
20260518.18	0.51	SW	3.4	4	SE
20260518.21	0.52	W	3.5	2	SE
20260519.00	0.56	W	3.6	3	W
20260519.03	0.58	W	3.6	5	W
20260519.06	0.63	SW	3.4	7	W
20260519.09	0.73	S	3.3	6	NW
20260519.12	0.81	S	3.6	6	SW

Wind condition in the Fetisovo

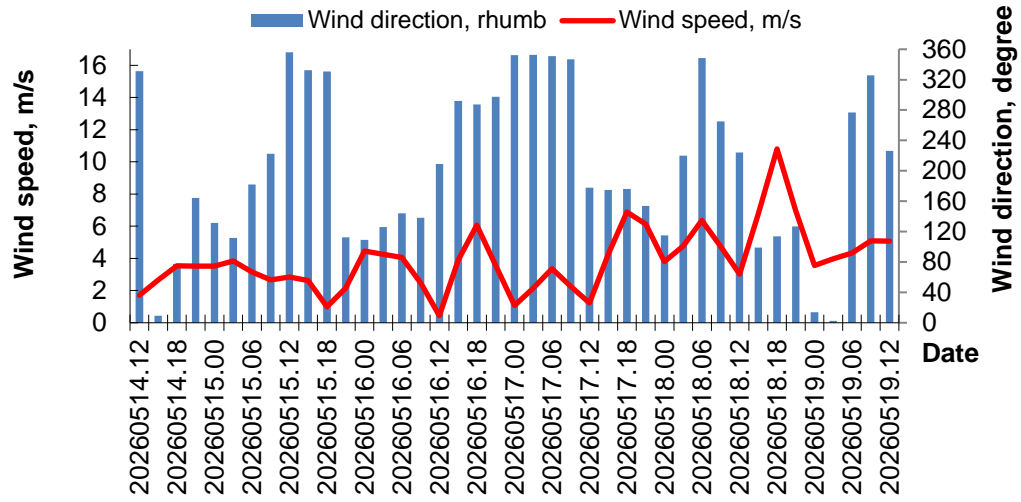


Wave condition in the Fetisovo

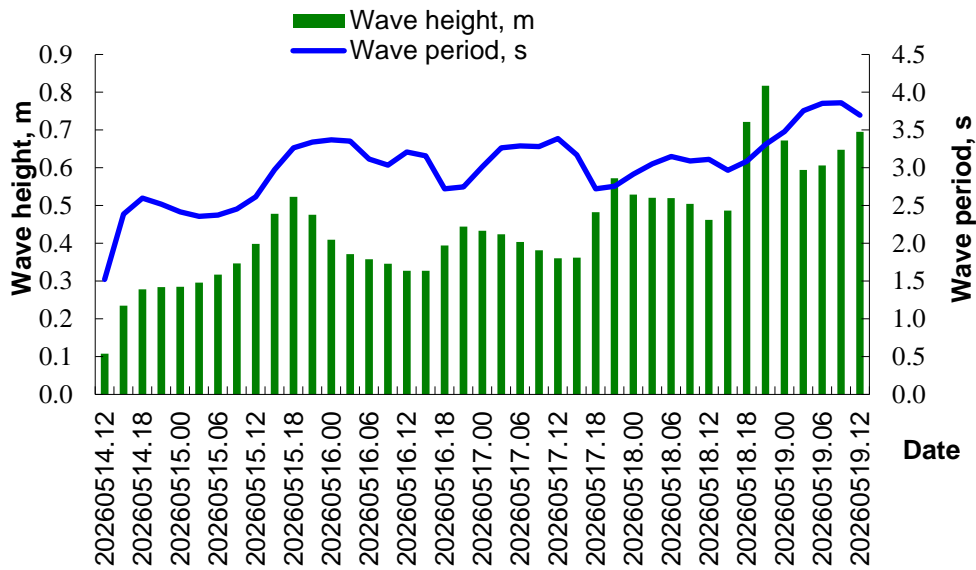


Date time	Fetisovo				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.08	W	1.5	1	SW
20260514.15	0.13	S	2.1	1	W
20260514.18	0.20	S	2.3	2	NE
20260514.21	0.26	S	2.4	2	E
20260515.00	0.29	S	2.6	1	SE
20260515.03	0.31	S	2.9	2	S
20260515.06	0.34	S	2.9	3	SW
20260515.09	0.35	S	2.9	3	SW
20260515.12	0.35	S	2.8	2	W
20260515.15	0.37	SE	2.6	3	NW
20260515.18	0.37	SE	2.7	4	NE
20260515.21	0.37	NE	2.8	4	S
20260516.00	0.38	N	2.7	5	SW
20260516.03	0.38	NW	2.7	4	S
20260516.06	0.37	NW	2.7	2	S
20260516.09	0.35	N	2.9	2	E
20260516.12	0.34	N	3.0	2	E
20260516.15	0.34	N	2.8	3	NE
20260516.18	0.34	NE	2.7	3	N
20260516.21	0.36	NE	2.5	4	NW
20260517.00	0.44	NW	2.6	4	W
20260517.03	0.45	NW	2.8	2	W
20260517.06	0.41	NW	3.1	2	E
20260517.09	0.38	NW	3.3	2	SE
20260517.12	0.36	NW	3.1	5	SW
20260517.15	0.36	NW	2.7	4	S
20260517.18	0.34	NW	2.7	3	SE
20260517.21	0.32	NW	2.7	2	SE
20260518.00	0.34	N	2.6	1	E
20260518.03	0.41	W	2.5	5	SW
20260518.06	0.51	SW	2.6	9	N
20260518.09	0.61	SW	2.9	7	N
20260518.12	0.58	SW	3.1	3	S
20260518.15	0.52	SW	3.3	6	SE
20260518.18	0.60	W	3.2	8	E
20260518.21	0.61	W	3.1	5	E
20260519.00	0.53	W	3.2	3	NW
20260519.03	0.54	W	3.6	3	NW
20260519.06	0.62	W	3.7	2	NW
20260519.09	0.71	SW	3.8	5	SW
20260519.12	0.83	SW	3.7	8	SW

Wind condition in the Saura

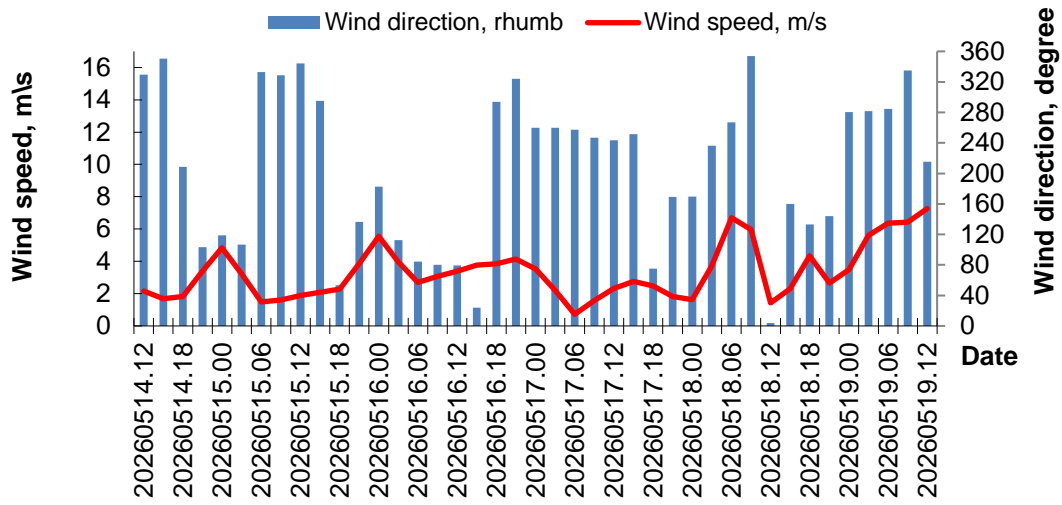


Wave condition in the Saura

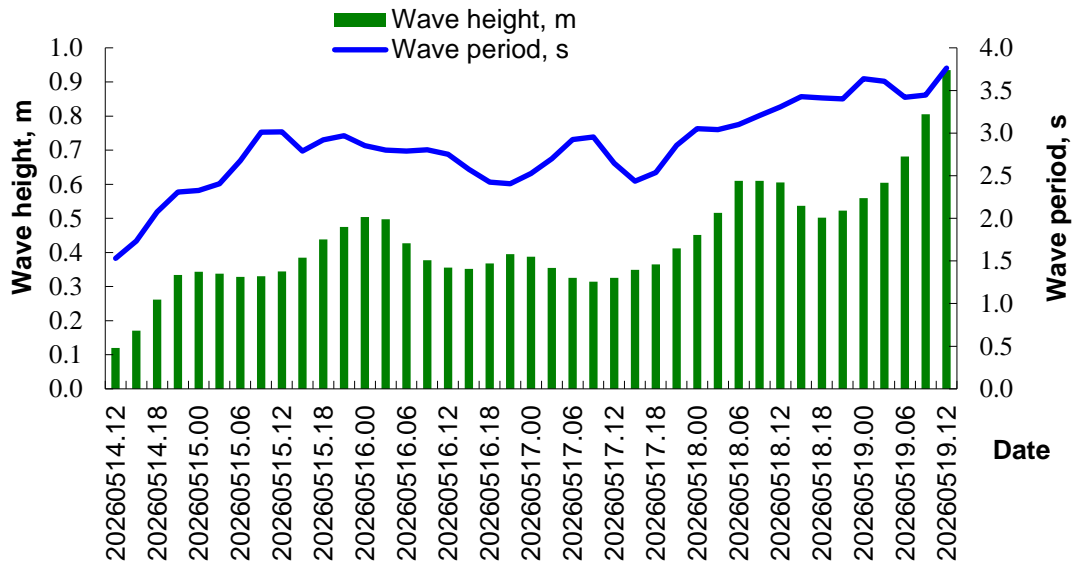


Date time	Saura				
	Wave height, m	Направление волны, румб	Wave height, m	Скорость ветра, м/с	Wave height, m
20260514.12	0.11	S	1.5	2	NW
20260514.15	0.24	S	2.4	3	N
20260514.18	0.28	S	2.6	4	E
20260514.21	0.28	S	2.5	4	S
20260515.00	0.29	S	2.4	4	SE
20260515.03	0.30	S	2.4	4	E
20260515.06	0.32	SW	2.4	3	S
20260515.09	0.35	SW	2.5	3	SW
20260515.12	0.40	NE	2.6	3	N
20260515.15	0.48	NE	3.0	3	NW
20260515.18	0.52	E	3.3	1	NW
20260515.21	0.48	E	3.3	2	SE
20260516.00	0.41	SE	3.4	4	E
20260516.03	0.37	SE	3.4	4	SE
20260516.06	0.36	E	3.1	4	SE
20260516.09	0.35	E	3.0	2	SE
20260516.12	0.33	E	3.2	0	SW
20260516.15	0.33	E	3.2	4	W
20260516.18	0.39	E	2.7	6	W
20260516.21	0.44	E	2.7	4	NW
20260517.00	0.43	E	3.0	1	N
20260517.03	0.42	NE	3.3	2	N
20260517.06	0.40	NE	3.3	3	N
20260517.09	0.38	NE	3.3	2	N
20260517.12	0.36	NE	3.4	1	S
20260517.15	0.36	NE	3.2	4	S
20260517.18	0.48	N	2.7	7	S
20260517.21	0.57	NW	2.8	6	SE
20260518.00	0.53	NW	2.9	4	SE
20260518.03	0.52	W	3.1	5	SW
20260518.06	0.52	W	3.1	6	N
20260518.09	0.50	W	3.1	5	W
20260518.12	0.46	W	3.1	3	SW
20260518.15	0.49	W	3.0	7	E
20260518.18	0.72	W	3.1	11	SE
20260518.21	0.82	W	3.3	7	SE
20260519.00	0.67	W	3.5	4	N
20260519.03	0.59	W	3.8	4	N
20260519.06	0.61	W	3.9	4	W
20260519.09	0.65	SW	3.9	5	NW
20260519.12	0.70	SW	3.7	5	SW

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
20260514.12	0.12	SE	1.5	2	NW
20260514.15	0.17	S	1.7	2	N
20260514.18	0.26	S	2.1	2	SW
20260514.21	0.33	S	2.3	3	E
20260515.00	0.34	S	2.3	5	SE
20260515.03	0.34	SW	2.4	3	E
20260515.06	0.33	S	2.7	1	NW
20260515.09	0.33	S	3.0	2	NW
20260515.12	0.34	SE	3.0	2	N
20260515.15	0.38	SE	2.8	2	NW
20260515.18	0.44	S	2.9	2	NE
20260515.21	0.48	S	3.0	4	SE
20260516.00	0.50	W	2.9	6	S
20260516.03	0.50	W	2.8	4	E
20260516.06	0.43	NW	2.8	3	E
20260516.09	0.38	N	2.8	3	E
20260516.12	0.36	N	2.8	3	E
20260516.15	0.35	N	2.6	4	NE
20260516.18	0.37	NE	2.4	4	NW
20260516.21	0.39	E	2.4	4	NW
20260517.00	0.39	E	2.5	4	W
20260517.03	0.35	NE	2.7	2	W
20260517.06	0.33	N	2.9	1	W
20260517.09	0.31	N	3.0	2	SW
20260517.12	0.33	N	2.6	2	SW
20260517.15	0.35	NE	2.4	3	W
20260517.18	0.36	NW	2.5	2	E
20260517.21	0.41	NW	2.9	2	S
20260518.00	0.45	NW	3.1	2	S
20260518.03	0.52	W	3.0	4	SW
20260518.06	0.61	W	3.1	7	W
20260518.09	0.61	W	3.2	6	N
20260518.12	0.61	SW	3.3	1	N
20260518.15	0.54	SW	3.4	2	S
20260518.18	0.50	W	3.4	4	SE
20260518.21	0.52	W	3.4	3	SE
20260519.00	0.56	W	3.6	3	W
20260519.03	0.60	W	3.6	6	W
20260519.06	0.68	SW	3.4	6	W
20260519.09	0.81	S	3.4	6	NW
20260519.12	0.94	S	3.8	7	SW

**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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